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1903



Boston Public Works Dept.

ENGINEERING DEPARTMENT

THIRTY-SEVENTH ANNUAL REPORT

OF THE

CITY ENGINEER

BOSTON

FOR THE YEAR 1903

Compliments of

William Jackson,

City Engineer.

1904

ENGINEERING DEPARTMENT

THIRTY-SEVENTH ANNUAL REPORT

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BOSTON

MUNICIPAL PRINTING OFFICE

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ENGINEERING DEPARTMENT, CITY HALL,
BOSTON, February 1, 1904.

HON. PATRICK A. COLLINS,
Mayor of the City of Boston :

SIR, — The following report of the expenses and operation of this department for the year ending January 31, 1904, is submitted :

The duties of the City Engineer include the designing and superintending of the construction of new bridges, retaining walls, city wharves, and such other public engineering works as the City Council may authorize ; the making of such survey, plans, estimates, statements, and descriptions, and taking such levels as the City Government or any of its departments or committees may require ; the custody of all surveys and plans relating to the laying out, locating anew, altering, widening, or discontinuing of streets, and the new engineering construction for all departments of the city. He must be consulted on all work where the advice of a civil engineer would be of service. The office of the City Engineer was established by ordinance on October 31, 1850, and by chapter 449 of the Acts of 1895.

The following is a statement of engineering expenses from February 1, 1903, to January 31, 1904:

Amount of department appropriation for 1903—	
1904	\$80,000 00
Amount expended for 1903–1904	79,997 21
Unexpected balance	<u>\$2 79</u>

STATEMENT OF EXPENDITURES, DEPARTMENT APPROPRIATIONS.

Salaries:

Engineer, William Jackson,	\$6,000 00	
Assistant Engineer, draughts-		
men and assistants	66,696 12	\$72,696 12
Travelling expenses		2,054 28
Printing		1,190 27
Instruments, tools and repairs		981 55
Exchange of horse and horse-keeping		654 04
Telephone service		487 98
Stationery		409 00
Blue printing and photography		321 56
Binding and plans		235 36
Washing and small supplies		203 53
Rent of office		199 98
Books and papers		197 55
Furniture and office expenses		182 34
Bounding posts and setting		71 65
Typewriting		49 75
Carting		39 85
Messenger service		22 40
		<u>\$79,997 21</u>

ABOLISHMENT OF GRADE CROSSINGS.

Blue Hill Avenue and Oakland Street.

Expenditures from February 1, 1903, to January 31, 1904:

Items of expenditure:

Macadam roadway	\$33,601 54	
Land damages	16,063 42	
Sewer construction	1,928 88	
Engineering and inspection	1,211 08	
Appraisal services	510 00	
Relocating hydrants	37 78	
Auditing	37 31	
Printing	12 65	
Advertising	2 85	
		\$53,405 51
Expended previous to 1903		25,580 03
		<u>\$78,985 54</u>

CONGRESS STREET.

Expenditures from February 1, 1903, to January 31, 1904 :

Items of expenditure :

Land damages	\$37,500 00	
Auditor, experts, reporting and appraisal services	3,509 71	
Sewer construction	196 58	
Auditing	3 13	
	<hr/>	\$41,209 42
Expended previous to 1903		1,189,400 85
		<hr/>
		<u>\$1,230,610 27</u>

DORCHESTER AVENUE.

Expenditures from February 1, 1903, to January 31, 1904 :

Items of expenditure :

Land damages	\$30,217 59	
Appraisal services	175 00	
	<hr/>	\$30,392 59
Expended previous to 1903		967,383 17
		<hr/>
		\$997,775 76
Cr. sale of land and buildings		978 09
		<hr/>
		<u>\$996,797 67</u>

Cambridge and other streets. — Charlestown.

Expenditures from February 1, 1903, to January 31, 1904 :

Items of expenditure :

Land damages	\$71,560 15	
Expert and appraisal services	1,865 00	
	<hr/>	\$73,425 15

BROADWAY BRIDGE, REBUILDING.

Appropriation \$370,000 00

Expenditures from February 1, 1903, to January 31, 1904 :

Items of expenditure :

Bridge superstructure	\$114,608 77	
Three piers	36,862 24	
Hard-pine timber	7,806 46	
Engineering and inspection	7,604 42	
Retaining walls and piers	5,587 62	
Flooring	4,334 99	
	<hr/>	
<i>Carried forward</i>	\$176,804 50	\$370,000 00

<i>Brought forward</i>	.	.	\$176,804 50	\$370,000 00
Setting coping-stones	.	.	1,200 00	
Iron fence — Boston end	.	.	1,064 00	
Inspecting bridge material	.	.	680 61	
Borings	.	.	90 50	
Advertising	.	.	86 45	
Temporary bridge	.	.	52 60	
Printing	.	.	50 52	
Paint testing	.	.	40 00	
			<hr/>	
			\$180,069 18	
Expended previous to 1903	.	.	90,633 47	
			<hr/>	
				270,702 65
				<hr/>
Balance February 1, 1904	.	.	.	\$99,297 35
				<hr/>

ATLANTIC AVENUE BRIDGE.

Expenditure from February 1, 1903, to January 31, 1904 :

Items of expenditure :

Six piers	.	.	.	\$70,699 63	
Engineering and inspection	.	.	.	14,577 41	
Track changes, Boston Terminal	.	.	.		
Company yard	.	.	.	2,801 05	
Southerly approach	.	.	.	100 00	
Printing	.	.	.	85 84	
Advertising	.	.	.	43 22	
				<hr/>	
					\$88,307 15
Expended previous to 1903	122,643 59
					<hr/>
					\$210,950 74
					<hr/>

MALDEN BRIDGE.

Expenditures from February 1, 1903, to January 31, 1904 :

Items of expenditure :

Wiring draw	\$55 00	
					<hr/>	
						\$55 00
Expended previous to 1903	136,936 93
						<hr/>
						\$136,991 93
						<hr/>

BRIDGES.

The annual inspection of all highway and foot-bridges has been made, together with special examinations when notified by the Superintendent of Streets of the progress of repairs.

The management of all the bridges and draws between Cambridge and Boston, by the Acts of 1898, chapter 467, is vested in a board of two commissioners, which has charge of

the following eight bridges, viz.: Cambridge street, Canal, Essex street, Harvard, North Harvard street, Prison Point, West Boston, and Western avenue to Cambridge; one-half the cost of the maintenance of these bridges is paid by each of these cities.

In the list of bridges those marked with a star (*) are over navigable waters, and are each provided with a draw, the openings in which are shown in a table in Appendix A. The width of the openings have been measured for this report.

I. — BRIDGES WHOLLY SUPPORTED BY BOSTON.

Agassiz road, in the Fens.

Allston bridge, over Boston & Albany Railroad, Brighton.

Arborway bridge, in Arborway, over Stony brook.

Ashland street, over Providence Division, N. Y., N. H. & H. R.R., West Roxbury.

Athens street, over Midland Division, N. Y., N. H. & H. R.R.

Audubon road, over Boston & Albany Railroad.

Beacon street, over outlet to the Fens.

Beacon street, over Boston & Albany Railroad.

Bennington street, over Boston, Revere Beach & Lynn Railroad.

Berkeley street, over Boston & Albany Railroad.

Bernier-street foot-bridge, in the Riverway.

Berwick-park foot-bridge, over Providence Division, N. Y., N. H. & H. R.R.

Blakemore street, over Providence Division, N. Y., N. H. & H. R.R.

Bolton street, over Midland Division, N. Y., N. H. & H. R.R.

Boylston street, in the Fens.

Boylston street, over Boston & Albany Railroad.

Bridle path, in the riverway, over Muddy river.

* Broadway, over Fort Point Channel.

Broadway, over Boston & Albany Railroad.

Brookline avenue, over Boston & Albany Railroad.

Brooks street, over Brooks street, Brighton.

Byron street, over Boston, Revere Beach & Lynn Railroad.

* Castle Island foot-bridge, from Marine park, South Boston, to Castle Island.

Charlesgate, in the Fens, over Boston & Albany Railroad.

Charlesgate, in the Fens over Ipswich street.

* Charlestown bridge, from Boston to Charlestown.

* Chelsea bridge, South, over South Channel of Mystic river.

* Chelsea street, from East Boston to Chelsea.

Circuit drive, over Scarboro' pond in Franklin park.
Columbia road, over Shoreham street.
Columbus avenue, over Boston & Albany Railroad.
* Commercial point, or Tenean, Dorchester.
Commonwealth avenue, in the Fens.
* Congress street, over Fort Point Channel.
Cornwall street, over Stony brook, West Roxbury.
Cottage Farm bridge, over Boston & Albany Railroad,
Brighton.
Cottage-street foot-bridge, over flats, East Boston.
Dartmouth street, over Boston & Albany Railroad and
Providence Division, N. Y., N. H. & H. R.R.
* Dover street, over Fort Point channel.
Ellicott arch, in Franklin park.
* Federal street, over Fort Point channel.
Fen bridge, in the Fens.
Ferdinand street, over Boston & Albany Railroad.
Forest Hills entrance, in Franklin park.
Gold street, over Midland Division, N. Y., N. H. & H. R.R.
Huntington avenue, over Boston & Albany Railroad.
Ipswich street, over Waterway, in the Fens.
Irvington-street foot-bridge, over Providence Division, N. Y.,
N. H. & H. R.R.
* L street, over Reserved channel, South Boston.
Leverett-pond foot-bridge, in Leverett park.
Linden Park street, over Stony brook.
* Malden bridge, from Charlestown to Everett.
Massachusetts avenue, over Boston & Albany Railroad.
Massachusetts avenue, over Providence Division, N. Y.,
N. H. & H. R.R.
* Meridian street, from East Boston to Chelsea.
* Mount Washington avenue, over Fort Point channel.
Neptune road, over Boston, Revere Beach & Lynn Railroad.
Newton street, over Providence Division, N. Y., N. H. & H.
R.R.
Public Garden foot-bridge.
Scarboro'-pond foot-bridge, in Franklin park.
Shawmut avenue, over Boston & Albany Railroad and
Providence Division, N. Y., N. H. & H. R.R.
Southampton street, east of Midland Division, N. Y., N. H.
& H. R.R.
Southampton street, west of Midland Division, N. Y., N. H.
& H. R.R.
Stony brook, in the Fens.
Summer street, over A street.
Summer street, over B street.

Summer street, over C street.

* Summer street, over Fort Point channel.

* Warren bridge, Boston to Charlestown.

West Rutland-square foot-bridge, over Providence Division,
N. Y., N. H. & H. R.R.

Winthrop, from Breed's Island to Winthrop.

Wood Island park foot-bridge, over Boston, Revere Beach &
Lynn Railroad.

II. — BRIDGES OF WHICH BOSTON SUPPORTS THE PART WITHIN ITS LIMITS.

Bellevue street, in the Riverway, over Muddy river.

Bernier-street foot-bridge, in the Riverway, over Muddy
river.

Brookline avenue, in the Riverway, over Muddy river.

Central avenue, from Dorchester to Milton.

* Chelsea bridge, North, over North channel, Mystic river.

* Granite bridge, from Dorchester to Milton.

Huntington avenue, in the Riverway, over Muddy river.

Longwood avenue, in the Riverway, over Muddy river and
Boston & Albany Railroad.

Milton bridge, from Dorchester to Milton.

* Neponset bridge, from Dorchester to Quincy.

* North Beacon street, from Brighton to Watertown.

Spring street, from West Roxbury to Dedham.

* Western avenue, from Brighton to Watertown.

III. — BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST OF MAINTENANCE.

Albany street, over Boston & Albany Railroad freight
tracks.

Ashmont street and Dorchester avenue, over Old Colony
Division, N. Y., N. H. & H. R.R.

Blue Hill avenue, over Midland Division, N. Y., N. H. & H.
R.R., Dorchester.

Boston street, over Old Colony Division, N. Y., N. H. &
H. R.R.

* Cambridge street, from Brighton to Cambridge.

Cambridge street, over Boston & Maine and Boston &
Albany Railroads.

* Canal bridge, from Boston to Cambridge.

Chelsea bridge, over the Boston & Maine Railroad.

Dorchester avenue, over Old Colony Division, N. Y., N. H.
& H. R.R.

Dorchester street, over Old Colony Division, N. Y., N. H. & H. R.R.

* Essex street, from Brighton to Cambridge.

Everett street, over Boston & Albany Railroad, Brighton.

* Harvard bridge, from Boston to Cambridge.

Harvard street, over Midland Division, N. Y., N. H. & H. R.R., Dorchester.

Norfolk street, over Midland Division, N. Y., N. H. & H. R.R., Dorchester.

* North Harvard street, from Brighton to Cambridge.

Oakland street, over Midland Division, N. Y., N. H. & H. R.R., Dorchester.

Perkins street, over Boston & Maine and Boston & Albany Railroads.

* Prison-point bridge, Charlestown to Cambridge.

Southampton street, over Old Colony Division, N. Y., N. H. & H. R.R.

Summer street, over freight tracks, N. Y., N. H. & H. R.R.

* West Boston temporary bridge, from Boston to Cambridge.

West Fourth street, over Old Colony Division, N. Y., N. H. & H. R.R.

* Western avenue, from Brighton to Cambridge.

IV. — BRIDGES SUPPORTED BY RAILROAD CORPORATIONS.

1st. — Boston & Albany R.R.

Albany street, over passenger tracks.

Harrison avenue.

Market street, Brighton.

Tremont street.

Washington street.

2d. — Boston & Maine and Boston & Albany Railroads.

Main street.

Mystic avenue.

3d. — Boston & Maine R.R., Eastern Division.

Wauwatosa avenue, East Boston.

4th. — Boston, Revere Beach & Lynn R.R.

Everett street.

5th. — New York, New Haven & Hartford R.R., Midland Division.

Broadway.
Dorchester avenue.
Fifth street.
Fourth street.
Morton street, Dorchester.
Norfolk street, near Dorchester station.
Second street.
Silver street.
Sixth street.
Third street.
Washington street, Dorchester.

6th. — New York, New Haven & Hartford R.R., Old Colony Division.

Adams street.
Cedar Grove Cemetery.
Freeport street.
Medway street.
Savin Hill avenue.

7th. — New York, New Haven & Hartford R.R., Providence Division.

Albany street.
Beech street, West Roxbury.
Bellevue street, West Roxbury.
Berkeley street.
Broadway.
Canterbury street, West Roxbury.
Castle square.
Centre and Mt. Vernon streets, West Roxbury.
Columbus avenue.
Dartmouth street.
Dudley avenue, West Roxbury.
Harrison avenue.
Park street, West Roxbury.
Washington street.

V. — BRIDGE SUPPORTED BY THE METROPOLITAN PARK COMMISSION.

Mattapan bridge, Dorchester to Milton.

RECAPITULATION OF BRIDGES.

I.	Number wholly supported by Boston . . .	72
II.	Number of which Boston supports that part within its limits . . .	13
III.	Number of which Boston pays a part of the cost of maintenance . . .	24
IV.	Number supported by railroad corporations:	
1.	Boston & Albany Railroad . . .	5
2.	Boston & Maine and Boston & Albany Railroads, . . .	2
3.	Boston & Maine, Eastern Division . . .	1
4.	Boston, Revere Beach & Lynn Railroad . . .	1
5.	N.Y., N.H. & H. R.R., Midland Division . . .	11
6.	N.Y., N.H. & H. R.R., Old Colony Division . . .	5
7.	N.Y., N.H. & H. R.R., Providence Division . . .	14
V.	Number supported by the Metropolitan Park Commission . . .	1
	Total . . .	<u>149</u>

Agassiz-road Bridge (in the Fens).

This bridge was built in 1887, of brick and stone masonry. It is maintained by the Park Department, and is in good condition.

Albany-street Bridge (over the Boston & Albany R.R. Freight Tracks).

The original structure was built in 1856-57, and rebuilt in 1867-68. The present bridge was built in 1886-87, and is maintained in part by the City of Boston and in part by the Boston & Albany Railroad. The lower planking has been renewed and the floor beams cleaned and painted during the year.

Allston Bridge (over the Boston & Albany R.R., Brighton).

This is an iron bridge, built in 1892. The ironwork under the flooring needs painting, and some of the woodwork around the trusses should be renewed.

Arborway Bridge (over Stony brook, in Arborway, near Forest Hills Station).

This is a wooden bridge resting on abutments of vulcanized spruce piles. The stringers and under-planking are of vulcanized hard pine. It was built in 1893, and is maintained by the Park Department.

Ashland-street Bridge (over Providence Division, New York, New Haven & Hartford R.R., West Roxbury).

The present structure is of iron, and was built in 1875. Early in October, the Boston Elevated Railway Company placed a second track on this bridge, and at that time such of the stringers and lower planking as was found in poor condition were renewed and the floor beams cleaned and painted.

Ashmont-street and Dorchester-avenue Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

This is a wooden bridge, formerly maintained by the railroad company. It was lengthened on the Boston side in 1895, and now the city maintains 75 feet of the northerly part. Part of the deck planking is in poor condition and needs renewal. The fence owned by the city should be painted.

Athens-street Bridge (over Midland Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1874. A new spruce deck and walks have been put in, the fences repaired and most of the ironwork has been painted.

Audubon-road Bridge (over the Boston & Albany R.R.).

This is a steel-plate girder bridge, built in 1893-94, and is maintained by the Park Department. As reported last year, the sidewalk planking is in poor condition and should be renewed, and the ironwork over the main tracks should be painted.

Beacon-street Bridge (over Outlet of the Fens).

This bridge was built in 1880-81, and had, up to 1901, a wooden floor for the roadway. At the latter date the wooden stringers and planking were removed, and twelve lines of 18-inch steel I-beam stringers put in. The new stringers and the old plate girders were then encased in Portland cement concrete, strengthened with expanded metal. The roadway was paved with hard-pine blocks, treated by the creosote-resinate process. The bridge is now in good condition.

Beacon-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1884-85, widened in 1887-88, and the central roadway further widened in 1890 for the convenience and at the expense of the Street Railway Company.

The ironwork below the floor is very rusty and should be painted. The sidewalk planking is poor, and the wooden facias should be repaired.

Bellevue-street Bridge (over Muddy river, in Riverway).

This is a segmental masonry arch of 44 feet span and 15 feet rise. It was built in 1893 by the Park Departments of Boston and Brookline, and is maintained jointly by them.

Bennington-street Bridge (over Boston, Revere Beach & Lynn R.R.).

This bridge is made up of two independent parts; the old part is of iron, built in 1889. The street has been widened and a new steel bridge built beside the old one; the woodwork on the old bridge has been renewed and the ironwork painted; the new part was built in 1902. The bridge is in good condition.

Berkeley-street Bridge (over Boston & Albany R.R. and Providence Division, N. Y., N. H. & H. R.R.).

The bridge over the tracks of the Boston & Albany Railroad, which is maintained by the city, was originally built for the Boston Water Power Company, and accepted by the city in 1869. The structure over these tracks is a through plate girder bridge, and was built in 1891. It is now in good condition.

The bridge over the tracks of the N. Y., N. H. & H. R.R. was built in 1899, and is maintained by that company.

Bernier-street Foot-bridge (over Bridle path in Riverway).

This is a semi-circular masonry arch of 38 feet 4 inches span. It was built in 1893, and is maintained by the Park Department.

Bernier-street Foot-bridge (over Muddy river).

This is a segmental masonry arch of 52 feet span and 14 feet rise. It was built in 1893 by the Park Departments of Boston and Brookline, and is maintained jointly by them.

*Berwick-park Foot-bridge (over Providence Division, New York,
New Haven & Hartford R.R.).*

This is an iron foot-bridge, erected in 1894. The iron stairs and piers were new, but the trusses and floor-beams were those built for Franklin street in 1883. With the exception of risers on the stairs, which should be painted, the bridge is in good condition.

*Blakemore-street Bridge (over Providence Division, New York,
New Haven & Hartford R.R.).*

This is an iron bridge, built in 1881-82. It is now in good condition.

*Blue Hill-avenue Bridge (over Midland Division, New York,
New Haven & Hartford R.R.).*

This is a new steel through truss bridge built by the railroad company, under the decree of the Superior Court abolishing the grade crossing on this avenue. The bridge consists of three trusses of the Baltimore type, about 135 feet 6 inches span centre to centre of end pins, and 30 feet high. The bridge is 120 feet between centres of railings, and is divided into two roadways, each 43 feet 6 inches wide in the clear, and two sidewalks, each 11 feet 6 inches wide. The roadway stringers are of hard pine, 6 inches by 14 inches, spaced 2 feet on centres, and resting on angle-seats riveted to the floor beams. The lower planking of the roadway is 4-inch hard pine, and the wearing surface is of 2-inch spruce. The sidewalk stringers are 4 inches by 12 inches and the planking 2 inches thick, both of hard pine. The surface of the bridge is maintained by the city and the rest of the structure by the railroad company.

*Bolton-street Bridge (over Midland Division, New York, New
Haven & Hartford R.R.).*

This is a wooden bridge, built in 1889. The roadway planking and sidewalks need renewal, and the fences should be repaired and painted.

*Boston-street Bridge (over Old Colony Division, New York,
New Haven & Hartford R.R.).*

This is a plate girder bridge, built in 1900, in connection with the abolishment of the grade crossing on Dorchester avenue. The surface of the bridge is maintained by the

city, and the rest of the structure by the railroad company. The bridge should be painted; otherwise it is in good condition.

Boylston-street Arch Bridge (in the Fens).

This is a stone arch bridge, built in 1881. It is in good condition, with exception of coping, which should be repointed.

Boylston-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1886-88. The railings should be repaired and the sidewalk planking renewed.

Bridle-path Bridge (over Muddy river, in the Riverway).

This a masonry bridge of three arches; the central arch is elliptical in form, with a span of 30 feet and a rise of 9 feet 6 inches; the side arches are semi-circular, 15 feet in diameter. It was built in 1894, and is maintained by the Park Department. It is in good condition.

Broadway Bridge (over Fort Point Channel).

The draw and its foundation were rebuilt in 1874-75, and the woodwork on the draw was renewed in 1896. A temporary foot-bridge was built in 1901 outside the lines of the street, but utilizing the old draw-span, to serve for foot travel during the construction of the new bridge.

(See page 82.)

Broadway Bridge (over Boston & Albany R.R.).

The old bridge, built in 1880-81, was replaced in 1900 by the present bridge. The railings should be cleaned and painted and the sidewalk planking renewed.

Brookline-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1884. The under-planking is in poor condition and the ironwork below the floor is badly rusted. As recommended last year, the bridge should have the woodwork renewed and the ironwork painted.

Brookline-avenue Bridge (over Muddy river, in the Riverway).

This is a semi-circular masonry arch of 15 feet span. It was built in 1892 by the Park Departments of Boston and Brookline, and is maintained by them jointly.

Brooks-street Bridge (near Faneuil Station, Brighton).

This bridge was built in 1902, and consists of seven lines of deck-plate girders of about 44 feet span and 5 feet 6 inches depth. The floor is supported on buckle-plates, and has a roadway 26 feet 6 inches wide in the clear, and a sidewalk 5 feet 6 inches wide. The wearing surface of both roadway and sidewalk is of asphalt on a concrete base. The bridge is in good condition.

Byron-street Bridge (over Boston, Revere Beach & Lynn R.R.).

This is a wooden bridge, built in 1889. The bridge is in poor condition. The bulkheads should be repaired. The deck planking, curb sticks and sidewalk planking need renewal, and the iron rods need painting.

Cambridge-street Bridge (from Brighton to Cambridge).

This is a wooden pile bridge with a wooden leaf draw. It was rebuilt in 1884; the draw was rebuilt in 1891. The bridge is in the care of the Commissioners for the Boston and Cambridge Bridges, and the city pays one-half the cost of maintenance; the Boston side of the bridge is in poor condition. One corner of the Boston abutment fell February 12, 1903, and it has been rebuilt, and a few deck planks have been renewed; the planking on the piers and waterway is in poor condition; the fender-guard on the Cambridge side needs repairing; the deck planking on the Boston side has been repaired in spots many times, and should be entirely renewed and additional stringers added; the deck planking on the draw also needs renewal; the sidewalk planking needs repairs; one draw arm on the Cambridge side should be renewed; both abutments need small repairs; the draw should be adjusted; new irons are needed on the waterway, and a boat should be provided.

Cambridge-street Bridge (over Boston & Maine and Boston & Albany Railroads, Charlestown).

This is a steel bridge of four spans, built in 1901 by the Boston & Maine Railroad. The surface is maintained by the city, the remainder by the railroad company. The bridge has been painted, and is in good condition.

Canal or Craigie's Bridge.

This is a wooden pile bridge, with a wooden turn-table draw. The city pays one-half the cost of maintenance. The bridge was originally built in 1808, was rebuilt in 1852, and was again rebuilt and widened in 1874. The bridge is in the care of the Commissioners for the Boston and Cambridge Bridges. Only ordinary repairs have been made. The sidewalks, sidewalk bulkheads, roadway planking near the curbs, and fencing that have not recently been rebuilt are poor, and need rebuilding; additional stringers are needed near the draw, and some pile work is needed near the ends of the bridge; some of the spur-shores need refitting; the draw-track circle and wharf need extensive repairs, and part of the fender-guard should be removed, as it is in a dangerous condition. This bridge will probably be in service but a year or two longer, as it is proposed to build a dam on its site.

Castle Island Foot-bridge (from Marine Park to Castle Island).

This is a temporary foot-bridge built in 1892, and is maintained by the Park Department. It connects the Marine Park with Castle Island, and is furnished with a draw, so that if desired by the United States authorities the island can be cut off from the mainland. A small amount of replanking has been done. Repairs are needed on the fence and planking, and the bridge should be painted; otherwise the bridge is in fair condition.

Central-avenue Bridge (over Neponset river, Dorchester Lower Mills).

This is an iron bridge, and was built in 1876. The city maintains the part within its limits. The roadway decking and many stringers on the part supported by Boston have been renewed, and this part of the bridge is now in good condition.

Charlesgate Bridge (in the Fens, over Boston & Albany R.R.).

This is an iron bridge, built in 1881-82, and is maintained by the Park Department.

Charlesgate Bridge (in the Fens, over Ipswich Street).

This is a deck-plate girder bridge with a buckle-plate floor. The roadway is paved with asphalt and the sidewalks with artificial stone. It is in good condition.

Charlestown Bridge (from Boston to Charlestown).

This bridge was opened to public travel November 27, 1899, and superseded the old Charles River bridge, which was built in 1785-86.

The present bridge over the river consists of ten spans of the deck-plate type, each 85 feet long, and a swing or turntable draw 240 feet 6 inches long.

The bridges over Water street and over the railroad tracks each consist of two span steel I-beams, with brick arches turned between the beams. The entire structure is in good condition.

Chelsea Bridge (over Boston & Maine R.R.).

This is an iron bridge, built by the Boston & Maine Railroad Company in 1894, and is over the railroad location. The surface of the bridge is maintained by the city, the remainder by the railroad company. The ironwork of the bridge has been painted by the railroad company. The wheel-guard is too low and narrow and the fences need repairing and painting; otherwise the bridge is in good condition.

Chelsea Bridge, North (over North Channel, Mystic river).

The city maintains the part within its limits. The original structure was built in 1802-03. The piles under the main bridge were driven in 1880. The upper part of the bridge, the draw and draw foundations were built in 1895. The draw-way was widened to 60 feet in 1900, the draw foundation being enlarged, the draw lengthened, and the draw piers built. Ordinary repairs have been made; the tops of some of the old piles have begun to decay; the old fender-guards are in poor condition; some of the sidewalk planking needs renewal, and many palings on the fence need straightening; otherwise the bridge is in good condition.

Chelsea Bridge, South (over South Channel, Mystic river).

This is a pile bridge with an iron draw. The original bridge was built in 1802-03. The piles of the present bridge

were driven and the draw was built in 1877. That part of the bridge above the girder caps was rebuilt at a higher grade, and the draw was raised in 1895. The corner of the up-stream wing has been rebuilt and ordinary repairs have been made. A new float stage for a public landing has been placed back of the pier. The fender-guards are in poor condition; the top of the pier should be rebuilt; the waterway should be repaired; the woodwork on the sidewalks should be renewed; two iron brackets on the draw should be repaired, and several pieces of track should be renewed.

Chelsea-street Bridge (from East Boston to Chelsea).

This is a wooden pile bridge, with an iron swing draw; the original bridge was built in 1834; was rebuilt in 1848, 1873, and again in 1894-95. In November the Massachusetts Pipe Line Gas Company put two siphons across the channels between the bridge and the up-stream fender-guard, removing a few piles which were later replaced by others. The decking is in poor condition and will soon need renewal; a new latch and a new wheel for operating the adjusting screw should be provided, and the draw should be painted.

Circuit-drive Bridge (over Scarboro' Pond, in Franklin Park).

This is an elliptical masonry arch of 30 feet span and 6 feet 3 inches rise. It was built in 1893, and is maintained by the Park Department.

Columbia-road Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

This is a new deck plate girder bridge of two equal spans, one over the tracks of the N. Y., N. H. & H. R.R., and the other over Old Colony avenue, and was built in 1902. Each span consists of six lines of plate girders 78 feet 6 inches long, centre to centre of bearing pins, and 4 feet 10½ inches deep, back to back of flange angles. The floor beams are built beams and the roadway stringers are 6-inch hard pine from 12 to 14 inches deep. The roadway flooring is of hard pine 4 inches thick protected by a heavy water-proof coating; on this is laid a brick pavement of Canton brick with cement grout joints. The sidewalk has an asphalt wearing surface.

Columbia-road Bridge (over Shoreham street).

This bridge was built in 1902, and consists of two spans of about 28 feet resting on a steel trestle bent in the centre of the street. There are 21 lines of 24-inch steel I-beams, spaced about 3 feet 6 inches on centres, and between the beams brick arches are turned, made of a single ring of brick. Above these arches the entire width of the bridge is filled solid with Portland cement concrete, and its upper surface protected by a water-proof coating. The roadway is paved with Canton brick, laid with cement grout joints. The sidewalk is of artificial stone.

Columbus-avenue Bridges (over Boston & Albany R.R. and Providence Division, New York, New Haven & Hartford R.R.).

The bridge over the Boston & Albany Railroad was built in 1876-77, and is maintained by the city. In 1899 the bridge was shortened 11 feet at its south end, and a pier built in place of the old south abutment.

The sidewalk planking has been patched and the roadway sheathed during the year.

The bridge over the tracks of the N.Y., N.H. & H. R.R. was built in 1899, and is maintained by that company.

Commercial Point or Tenean Bridge (Dorchester).

This is a wooden pile bridge with a wooden leaf draw. The piles were driven in 1875. The draw and upper part of the bridge was rebuilt in 1901. It is in fair condition.

Commonwealth-avenue Bridge (in the Fens).

This is an iron bridge, and was built in 1881-82. It is in good condition, with the exception of the sidewalk planking, which should be renewed. It is maintained by the Park Department.

Congress-street Bridge (over Fort Point Channel).

This is a wooden pile bridge, with an iron turn-table draw on a stone foundation, and was built in 1874-75.

Miscellaneous repairs have been made. The roadway planking, the stone paving, fender-guards, track circle, and one draw landing are in poor condition. The Secretary of War has ordered the draw-way to be widened from its present width of 43 feet 9 inches to 50 feet. When this work is undertaken the bridge should be rebuilt.

Cornwall-street Bridge (over Stony Brook, West Roxbury).

This is a small wooden bridge, built in 1892. It is in good condition.

*Cottage Farm Bridge (over Boston & Albany R.R.,
Brighton).*

The present bridge was built in 1895-96. With the exception of the plate girders on the outside lines of the bridge, and some special construction under the sidewalks, the superstructure is composed of 20-inch steel beams filled between with brick arches and Portland cement concrete, on which is a wearing surface of Sicilian rock asphalt. It is in good condition.

Cottage-street Foot-bridge (over flats, East Boston).

This is a wooden pile bridge, built in 1889, for foot travel only. A great quantity of ice has formed over the flats, some of it under the bridge being four feet thick, and, becoming attached to the piles, has pulled up or broken many of them, necessitating the closing of the bridge.

*Dartmouth-street Bridges (over Boston & Albany R.R. and
Providence Division, New York, New Haven & Hart-
ford R.R.).*

The bridge over the Boston & Albany Railroad was built in 1878-79, and is maintained by the city. Very extensive changes were made in this bridge in 1899 by the railroad companies, necessitated by the new location of the tracks of the N. Y., N. H. & H. R.R. leading to the South Station and the abandoning of the tracks connecting this road with the B. & A. R.R. The bridge has been sheathed, and a new sidewalk built on the easterly side. The bridge over the tracks of the N. Y., N. H. & H. R.R. was built in 1899, and is maintained by the railroad company.

*Dorchester-avenue Bridge (over Old Colony Division, New
York, New Haven & Hartford R.R.).*

This is a steel bridge, built in 1900 over the new location of the N. Y., N. H. & H. R.R. The surface of the bridge is maintained by the city and the rest of the structure by the railroad company. It is in good condition.

Dorchester-street Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1869. It is principally maintained by the railroad company, and was repaired and put in fair condition in 1893. The railroad company has abandoned its location at this place and part of the bridge has been removed, and the remainder will be used but a few months longer; the bridge is of light structure, and some shores have been placed below it.

Dover-street Bridge (over Fort Point Channel).

This was originally a wooden pile bridge, built in 1805, rebuilt in 1858-59, and again in 1876. In 1893-94, upon the abolition of the grade crossing of the Old Colony Railroad, the present iron structure, resting on masonry piers, was built. General repairs have been made; some new track is needed for the draw; the rack should be realigned in order that the draw may be reversed; the masonry piers need repointing. The draw binds on the Boston end during hot weather. The lower planking on the draw is in poor condition and needs patching. Repairs are needed on the waterway, and the platform and the steps to the float need rebuilding; otherwise the bridge is in good condition.

Ellicott-arch Bridge (in Franklin Park).

This is a semi-circular masonry arch of 17 feet 6 inches span. It was built in 1889, and is maintained by the Park Department.

Essex-street Bridge (from Brighton to Cambridge).

This bridge is in the care of the Commissioners for the Boston and Cambridge Bridges; the city pays one-half the cost of maintenance. It is a wooden pile bridge, with a wooden leaf draw, and was originally built in 1850; the draw was rebuilt and the adjoining stringers renewed in 1891; the other woodwork above the piles was renewed and some piles of the Boston side were driven in 1896. One-half of the draw has been redecked and ordinary repairs made. Some of the stringers adjoining the draw-arms have begun to decay, and should be renewed; the planking on the other half of the draw needs renewal, and that on the Cambridge end of the main bridge needs repairing. It is probable that this bridge will soon be rebuilt at a higher grade to abolish the grade crossing.

Everett-street Bridge (over Boston & Albany R.R., Brighton).

This is an iron bridge, built in 1891, by the Boston & Albany Railroad Company. The recommendation made in these reports for several years past is renewed this year, that the ironwork above and below the floor be thoroughly cleaned and painted and the sidewalks repaired.

Federal-street Bridge (over Fort Point Channel).

This is a wooden pile bridge, with a double retractile iron draw, and was rebuilt in 1891-92. General repairs have been made. The sidewalks should be resurfaced in part, the wharves and fender-guards repaired, and the landing shoes for the draw reset. Additional stops are needed for the draw, and a spare truck should be provided; some of the spur-shores have begun to decay, and should be refitted; the planking and irons on the waterway and the ladder should be repaired; the wreckage among the piling should be removed.

Fen Bridge (in the Fens).

This bridge was built in 1891-93. It is in good condition.

Ferdinand-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1892. In 1899 this bridge was shortened about three feet at its southerly end, and the old south abutment replaced by a brick pier. As reported last year, the lower planking is in poor condition.

Forest Hills Entrance Bridge (in Franklin Park).

This bridge was built in 1894-95. It is maintained by the Park Department, and is in good condition.

Gold-street Bridge (over Milland Division, New York, New Haven & Hartford R.R.).

This bridge was built in 1895, replacing a foot-bridge which was built in 1890; the sidewalk planking should be renewed; the fences should be repaired; the bridge should be painted and the walls need some pointing; otherwise the bridge is in good condition.

Granite Bridge (from Dorchester to Milton).

This is a wooden pile bridge, with a wooden leaf draw. The city maintains the part within its limits. The bridge was originally built in 1837. It is in poor condition, and should be rebuilt; the abutment should be repaired; the piles are much worn; several of the stringers show considerable rot; the planking on the draw is decaying, and the tops of the piers are very poor.

Harvard Bridge (from Boston to Cambridge).

This is an iron bridge, with an iron turn-table draw, and was built in 1887-91. The bridge is in the care of two Commissioners, one appointed from Boston and one from Cambridge, and the expense of maintenance is borne equally by each city.

The roadway of the fixed spans was repaired in 1901-02 and a wooden block paving laid. The roadway of these spans is now in good condition, but that of the draw span is in very poor condition. The lower planking and stringers have not been renewed since the draw was built in 1891, and they are now very rotten. Unless a new deck is put on at once it will be necessary to have it carefully watched and repairs made as soon as signs of breaking through appear. The asphalt sidewalks, which have been reported for a number of years to be in very poor condition, have grown much worse, and should be no longer tolerated on a bridge having so much foot travel.

As reported last year, the fences should be cleaned and painted, as they are very rusty.

Harvard-street Bridge (over Midland Division, New York, New Haven & Hartford R.R., Dorchester).

The sidewalks are supported by the city, the roadway by the railroad; the woodwork of the roadway has been rebuilt.

Plans have been prepared for new abutments and a longer and wider bridge, and negotiations with the railroad are in progress for rebuilding this bridge.

Huntington-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge. It was built in 1872, and in 1876-77 the abutments were rebuilt and the bridge widened by the addition of two new girders. In 1896, in conse-

quence of changes in the grade of the avenue, the floor was entirely rebuilt and new girders added for supporting the water-pipes. The lower planking of spruce which was put in at that time has now become very rotten, and has broken through in a number of places during the past year. It is recommended that a new deck be put on at once and the girders cleaned and painted.

Huntington-avenue Bridge (over Muddy river).

This is a semi-circular masonry arch of 15 feet span. It was built in 1893, and is maintained by the Park Departments of Boston and Brookline.

Ipswich-street Bridge (over Waterway in the Fens).

The bridge was built in 1898, and is in good condition.

Irvington-street Foot-bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron foot-bridge, and was built in 1892. The planking is thin, but otherwise the bridge is in good condition.

L-street Bridge (over Reserved Channel, South Boston).

This is a wooden pile bridge, with an iron retractile draw. It was built in 1892. General repairs have been made; some of the piling in the fender-guard and under the 6-foot walk needs renewal; the sidewalks need patching, the roadway deck plank on the draw has begun to decay and needs renewal; some caps on the pier and a few low-water girders on the pier and bridge have been somewhat damaged by vessels; more riprap should be placed in front of the east abutment.

Leverett Pond Foot-bridge (in Leverett Park).

This is a segmental masonry arch of 24 feet span and 5 feet 5 inches rise. It was built in 1894, and is maintained by the Park Department.

Linden Park-street Bridge (over Stony brook).

This is a wooden bridge, built in 1887. The bridge is in fair condition.

Longwood-avenue Bridge (over Muddy river and Boston & Albany R.R.).

The original wooden structure was built in 1857, and rebuilt in 1877. The present masonry arches were erected in 1899 by the Park Departments of Boston and Brookline, and are maintained jointly by them.

Malden Bridge (from Charlestown to Everett).

This is a wooden pile bridge with a retractile steel draw, and was rebuilt in 1900-01. Only ordinary repairs have been made; the bridge should be painted, and about 50 feet of fence should be built on the wing of the abutment at the Charlestown end. Otherwise it is in good condition.

Massachusetts-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1876. It was thoroughly repaired in 1893, with the exception of the wooden fences. These fences are now in very poor condition, and should be rebuilt, and the sidewalks should be resurfaced.

Massachusetts-avenue Bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1876. The woodwork was renewed in 1901, and the ironwork cleaned and painted. The westerly sidewalk planking is very thin and should be renewed; otherwise the bridge is in good condition.

Mattapan Bridge (from Dorchester to Milton).

This is a three-arch bridge of Melan construction, with granite facing. It was built in 1902 by the Metropolitan Park Commission, and is maintained by it. The arches are semi-circular, two spans being 14 feet and one 50 feet; the bridge has one 56-foot roadway and two 12-foot sidewalks. During the past year the roadway has been paved with stone blocks near the street car tracks and wooden blocks on the side.

Meridian-street Bridge (from East Boston to Chelsea).

This is a wooden pile bridge, with a wooden turn-table draw on a pile foundation. The original structure was built in 1858. It was rebuilt soon afterwards, and was widened

and rebuilt in 1884, excepting the draw, which was built in 1875-76. The chords of the draw were rebuilt in 1896. The worst places on the waterway have been repaired with oak piles and hard pine lumber, and further repairs are needed; the wharf should be redecked; the fascias on the sidewalks are getting poor; the stringers and bulkhead at the Boston end of the channel need strengthening; the draw should be furnished with some new rack; the track is getting much worn; one pile under the sidewalk should be spliced; one of the main truss-rods is broken, and a new one should be furnished; the pier is in poor condition, and the roadway planking has begun to decay.

Milton Bridge (from Dorchester to Milton).

The city maintains the part within its limits. The original structure is very old. It was widened in 1871-72. The older part of this bridge was built of stone, and the widening is an iron structure on stone columns. The westerly sidewalk was rebuilt on new iron girders and floor beams in 1900. The bridge should be painted, and the sidewalk planking on the down-stream side of the bridge should be renewed in part; one of the cap-stones over the first waterway is cracked.

Mt. Washington-avenue Bridge (over Fort Point Channel).

This is a wooden pile bridge, with an iron draw. It was built in 1854, and rebuilt in 1870-71. This bridge is in poor condition. It has the only draw of importance in the city that is moved by hand-power; the draw-pier is in poor condition, and is so low that it is covered with water at every high course of tides; the sidewalks, draw landings, roadway planking on draw, bracing on bents, roadway pavement, and the fender-guards are in very poor condition; the waterways are out of repair; the foundation of the house is in poor condition.

The Secretary of War has ordered the draw-way to be widened from 43 feet 7 inches to 50 feet. If this bridge is to be kept open it should be rebuilt.

Neponset Bridge (from Dorchester to Quincy).

The city maintains the part within its limits. The original structure was built in 1802, and the present one in 1877. The draw is too heavy to be handled by hand, and should be

replaced by a turn-table draw. General repairs have been made. The bridge needs general overhauling. The upstream draw-arm is bent and should be repaired; the downstream pier and fender-guards need extensive repairs; the blocking, hinges, planking, stringers near the gudgeons and gears, the decking of the draw, and the bearing-plate at the abutment are in poor condition, and should be renewed.

Neptune-road Bridge (over Boston, Revere Beach & Lynn R.R.).

This is an iron bridge, built in 1887-88, and is maintained by the Park Department. The roadway planking should be renewed; otherwise the bridge is in good condition.

Newton-street Bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1872. It was cleaned and painted in 1902 and a new deck put on. The bridge, for so old a structure, is now in good condition.

Norfolk-street Bridge (over Midland Division, New York, New Haven & Hartford R.R.).

This is a through lattice girder bridge, and was built in 1902.

The surface of the bridge is maintained by the city, and the rest of the structure by the railroad company. The bridge is in good condition.

North Beacon-street Bridge (from Brighton to Watertown).

The city maintains the part within its limits. This is a wooden pile bridge with a wooden leaf draw. The original structure was built in 1822, and the present one in 1884. The bridge is in poor condition; the sidewalk planking, the draw planking, three draw-arms, and some of the adjoining stringers should be renewed; the draw pier is in very poor condition, and the upper part should be rebuilt, and many of the piles in the bridge have begun to decay.

North Harvard-street Bridge (from Brighton to Cambridge).

The city maintains the part within its limits. This bridge was originally built in 1662, and was rebuilt, except the piling, in 1879; the draw was built in 1891. The bridge is

in the care of the Commissioners for the Boston and Cambridge Bridges; the city pays one-half the cost of maintenance. The bridge is in poor condition, and should be rebuilt and replaced by a wider structure, more in keeping with the improvements recently made in the vicinity.

Oakland-street Bridge (over Midland Division, New York, New Haven & Hartford R.R.).

This is a new steel plate girder bridge, built by the railroad company in 1902 under the decree of the Superior Court abolishing the grade crossing at this point. The surface of the bridge is maintained by the city and the rest of the structure by the railroad company. It is in good condition.

Perkins-street Foot-bridge (over the Boston & Maine R.R. and Boston & Albany R.R. in Charlestown).

This bridge was built in 1900, and opened to travel February 2, 1901; it has two spans of wooden stringers and one of steel Pratt trusses. The surface is maintained by the city, the rest of the structure by the railroad companies. It has been painted.

Prison-point Bridge (from Charlestown to Cambridge).

This bridge was originally built in 1833, and was rebuilt in 1876-77. It is in the care of the Commissioners for the Boston and Cambridge Bridges; the city pays one-half the cost of maintenance.

This bridge is to be replaced by a new one to be built at a higher grade to abolish the numerous grade crossings, the work to be done by the Boston & Maine R.R. The Charlestown end of the new bridge is partially built, and a temporary bridge now connects the new work with the Cambridge end, and was opened to travel May 6, 1903, and soon after the old bridge was taken out of commission.

Public Garden Foot-bridge.

This is an iron bridge. It was built in 1867, and is now in good condition.

Scarboro' Pond Foot-bridge (in Franklin Park).

This is an elliptical masonry arch of 40 feet span and 8 feet 3 inches rise. It was built in 1893, and is maintained by the Park Department.

Shawmut-avenue Bridge (over Boston & Albany R.R. and Providence Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1871. A special report was made to the Superintendent of Streets, under date of March 22, 1902, calling attention to the condition of this bridge, and recommending that certain repairs be made at once, and that the bridge "be rebuilt within the next two years." Although the repairs recommended in that report were made, the time has now come when the bridge cannot be maintained with safety longer than the time needed to build a new bridge. It is therefore recommended that a new bridge be built at once.

Southampton-street Bridges (over South Bay Sluices).

These are wooden bridges, built in 1875 as temporary structures; sidewalk bulkheads and roadway bulkheads are in poor condition and should be renewed. The wing bulkheads are also in poor condition, the sidewalk planking needs repairing, and the roadway planking on the westerly bridge needs renewal in part.

Southampton-street Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

This is a steel plate girder bridge, built in 1901-2. The surface is maintained by the city, the rest of the structure by the railroad company. It is in good condition.

Spring-street Bridge (from West Roxbury to Dedham).

This is a stone bridge. The city maintains the part within its limits. It is in good condition, with the exception of the fences, which should be rebuilt this year.

Stony-brook Bridge (in the Fens).

This is an ornamental brick arched bridge, with stone facings, built in 1891-92, and maintained by the Park Department. It is in good condition.

Summer-street Bridges (over A, B, and C streets).

These bridges were built in connection with the abolition of the grade crossing on Congress street, and were opened to

travel in 1900. The bridge over A street is a steel deck plate girder structure, with a paved roadway of granite blocks and asphalt sidewalks.

The bridge over B street is a through-plate girder structure, with a paved roadway of granite blocks and asphalt sidewalks.

The bridge over C street is a two-span steel-beam structure, with brick and concrete arches turned between the beams; the roadway is paved with granite blocks and the sidewalks with asphalt.

The Boston Elevated Railway Company has laid a double track across all of these bridges, but no cars have as yet been run over them.

All these bridges are in good condition.

Summer-street Bridge (over Fort Point Channel).

This bridge was built in 1899-1900, in connection with the abolition of the grade crossing on Congress street. It is a four-span deck plate girder bridge, resting on masonry piers, with two retractile draws, over a 50-foot channel-way. The roadway of the fixed spans has a granite block paving, and the sidewalks have asphalt wearing surfaces. The whole structure is in good condition, but should be painted during the year. The Boston Elevated Railway Company has laid a double track across the fixed spans of this bridge, but have not as yet laid the track over the draw.

Summer-street Bridge (over New York, New Haven & Hartford Railroad Freight Tracks).

This bridge was built in 1900, in connection with the abolition of the grade crossing on Congress street, and is maintained by the city and the railroad company, the former maintaining the wearing surface and the latter maintaining the rest of the structure. It has four spans, consisting of three through trusses each, and has a granite-paved roadway and asphalt sidewalks. It is in good condition. The street railway tracks have been laid across this bridge.

Warren Bridge (from Boston to Charlestown).

This is a wooden pile bridge, with a double retractile iron draw. The present structure was built in 1883-84. The Boston end of the bridge has been paved nearly to the draw, and general repairs have been made. Some of the piles under the wharf are broken; the fender-guards are in poor

condition; the paving on the Charlestown end of the bridge, planking on the waterway and in the draw pit, the piling at two corners of the waterway and the tail track timber need repairing; the landing shoes should be reset; the sidewalk near the railroad tracks, city side, should be extended about 20 feet; the curb at the draw should be realigned.

West Boston Temporary Bridge (from Boston to Cambridge).

This bridge was built in 1898-99 to accommodate the travel using West Boston bridge till the Cambridge bridge should be built; it is in care of the Commissioners for the Boston and Cambridge Bridges; the city pays one-half the cost of maintenance; the lower planking is considerably decayed and has been renewed in many places; the bolting around the draws needs overhauling.

West Fourth-street Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

In 1893-94 the grade crossing of the Old Colony Railroad on this street was abolished, and an iron bridge built, extending from the end of Dover-street bridge, at the South Boston side of Fort Point channel, to the easterly line of Foundry street. The surface is maintained by the city, the rest of the structure by the railroad company. The deck planking is in very poor condition, and should be renewed; the platform over the middle girders should be replanked, and the bridge should be painted.

West Rutland-square Foot-bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron foot-bridge, built in 1882. It is now in good condition.

Western-avenue Bridge (from Brighton to Cambridge).

The present bridge was built in 1879-80, and the draw in 1891. It is in the care of the Commissioners for the Boston and Cambridge Bridges, and the city pays one-half the cost of maintenance. Many roadway planks on the Boston side have been renewed and minor repairs made; the piers and waterway need repairing; the deck planking on the Boston side and on the draw should be renewed; the fences on the Boston side should be put in good condition; some of the

piles and stringers on the Boston side of the channel are in poor condition, and need renewal; the staging under the bridge should be repaired, and the draw needs adjusting.

Western-avenue Bridge (Brighton to Watertown).

The city maintains the part within its limits. This is a wooden pile bridge, with an iron draw, and was rebuilt in 1892-93. Only minor repairs have been made; the Boston end of the draw should be raised; the draw and its bearings should also be adjusted; the planking and capsills on the piers and along the waterways should be repaired; some of the spurshores are broken and should be refitted; the deck planking on draw and main bridge needs renewal, and the bridge needs painting.

Winthrop Bridge (from Breed's Island to Winthrop).

This is a pile bridge without a draw. It was originally built in 1839; it was rebuilt in 1851, and was extensively repaired in 1870. The abutment at the Winthrop end needs pining up, as there has been some settlement; a few of the outside bolsters are not in good condition; otherwise the bridge is in fair condition.

Wood Island Park Foot-bridge.

This is a steel foot-bridge, built in 1898-99, and connects Prescott street, East Boston, with Wood Island Park, spanning the tracks of the Boston, Revere Beach & Lynn R.R. The walls need pointing and the bridge should be painted.

Bridges wholly Supported by Railroad Corporations.

The highway bridges maintained by the several railroad companies are in good or fair condition, with the exceptions noted. Norfolk-street bridge, near Dorchester station, is in poor condition; plans have been made for rebuilding a longer and wider bridge at this place; a new deck is needed on Second-street bridge, and repairs are needed on Washington-street bridge over the Midland Division, New York, New Haven & Hartford R.R.

SURVEYING DIVISION.

The work of the Surveying Division during the past year has consisted of the making of such surveys and plans as have been required by the several city departments, and giving lines and grades of public streets when requested by abutters intending to build.

One hundred and fifty-eight petitions requesting that catch-basins should be constructed were reported upon to the Sewer Division.

Catch-basin locations were furnished the Sewer Division for one hundred and eighty-two streets advertised to be regulated by the Superintendent of Streets.

On request of the Sewer Division, one hundred and nineteen plans of streets showing proposed locations of future catch-basins were furnished.

Catch-basin locations were furnished the Sewer Division of ten streets which it was proposed to lay out, widen or extend.

Four hundred and thirteen catch-basins were staked out, and duplicate sketches showing the locations and ties were sent to the Sewer Division.

One hundred and fifty-one plans of underground pipes, conduits, etc., were examined and proposed future catch-basins located for the Permit Division.

One hundred and fifty-five notices of contracts to lay artificial stone sidewalks were received and reported upon to the Paving Division.

In sixty-six cases, the Paving Division were notified that the existing edgestone should be reset preparatory to the laying of artificial stone.

Fifty-five petitions to make sidewalk openings were received from the Paving Division and reported upon.

Eighty-four requests for edgestone were examined and amount of curb required reported to Paving Division.

Grade heights were furnished engineers and architects on eighteen estates.

Twenty-nine plans of streets were made for sidewalk assessments on request of Paving Division. Data was also furnished Paving Division for sidewalk assessments on thirteen estates.

Estimates for grade, land and building damages, and cost of construction, were furnished the Street Commissioners on thirteen streets.

The lines and grades of the following eighteen streets, for which the Street Commissioners were petitioned for authority to open as private ways, were examined and reported upon:—

Althea street, Dorchester. Centre street to Whitten street.

Beecher street, West Roxbury. Boylston street to Parker street.

Brenton street, Dorchester (formerly Raleigh street). Greenwood street to Glenway street.

Clematis street, Dorchester. Centre street to Whitten street.

Digby street, South Boston. Summer street to Fargo street.

Greenwood street, Dorchester. Harvard street to Ruxton street.

Orchid street, Dorchester. Centre street to Whitten street.

Palm street, Dorchester. Centre street to Whitten street.

Posen-street extension, Roxbury. Arklow street to Ulmer street.

Prout street, West Roxbury. From St. Peters street, north-westerly.

Redwood street, Dorchester. Centre street to Whitten street.

Ripley street, West Roxbury. Arborway to May street.

Scott street, South Boston. West Seventh street to West Eighth street.

St. Peters street, West Roxbury. Boylston street to Paul Gore street.

St. Rose street, West Roxbury. Extension to Arborway.

Ulmer-street extension, Roxbury. Arklow street to Walden street.

Whitten street, Dorchester. From Dorchester avenue, north-easterly.

Winfield street, South Boston. West Seventh street to West Eighth street.

Estimate of grade, land and building damages and cost of construction were furnished on the following streets, on request of the Street Commissioners:

Albion place, Charlestown. Extension to Bunker Hill street.

Arcadia street, Roxbury. Atherton street to West Walnut street.

Belgrade avenue, West Roxbury. Anawan avenue to Beech street.

Centre street, West Roxbury. South street to Spring street.

Chelsea street, Charlestown. City square to Bainbridge street.

East Sixth street, South Boston. P street to Q street.

Faneuil street, Brighton. North Beacon street to Oak square.

Geneva avenue, Dorchester. Columbia road to Bowdoin street.

Hampden street, Roxbury. Albany street to Dudley street.

Mitchell street, South Boston. Extension to Old Colony Railroad.

Northampton street, City Proper. Washington street to Harrison avenue.

Rockdale street, Dorchester. Savin Hill avenue to Springdale avenue.

Spring street, West Roxbury. Gardner street to Charles river.

Forty-three plans and profiles, representing a total length of five miles, showing buildings, property owners, names, established grades, areas of land taken, or to be taken, for street widenings or relocations, public alleys, etc., were completed for the Street Laying-out Department.

One hundred and twenty-five plans have been made for the purpose of assessing benefits occasioned by the laying out and construction of new streets.

Plans of the Capps Hill Cemetery and the Kings Chapel Burying-ground have been made for the Cemetery Commission; also an addition to Mt. Hope Cemetery, on Canterbury street.

Plans have been made for the Schoolhouse Commission of property to be taken for school purposes as follows, viz.: Scotia street and Dalton street, for an addition to the Mechanic Arts High School lot; East Seventh and East Eighth streets, South Boston, a site for a new school; Middle street, South Boston, for an addition to the Ticknor School lot; Paris, Marion and Morris streets, East Boston, a site for a new school; Norfolk avenue and Clayton street, Roxbury, a site for a new school, and Southern avenue, Dorchester, also a site for a new school.

Plans have been made for the Park Department of a playground on Randolph street, and of a playground on Marcella and Highland streets.

Plans of city lands have been made as follows, viz.: Blue Hill avenue, Milton; Centre and Hastings streets, West Roxbury; Medford street flats, Charlestown; Marcella Street Home, Roxbury, and the Lockup, Millers Lane, Dorchester.

The following list gives the number of orders attended to

for property owners, builders, and the various city departments, from February 1, 1903, to February 1, 1904:

Street lines given	398
Street grades given	251
Street Department, Paving Division	1,891
Street Department, Sewer Division	1,134
Building Department	148
Public Buildings Department	13
Public Grounds Department	1
Law Department	101
Street Commissioners	146
Engineering Department	155
Park Department	15
City Registrar's Department	2
Police Department	12
Bath Department	3
Cemetery Department	3
Institutions Department	1
School Committee	7
Schoolhouse Commission	17
Water Department	3
Total	<u>4,301</u>

In connection with the Surveying Division there have been 1,499 titles examined, 1,203 deeds and 291 plans copied from the Registry of Deeds.

Thirty-five hundred and fifty blue prints have been made during the year.

List of plans made for sewerage works during the year ending January 31, 1904:

CITY PROPER.

Union Park street. — From Albany street to South bay.

EAST BOSTON.

Bennington street. — Across Boston, Revere Beach and Lynn Railroad to Butler avenue.

Border street. — Opposite Lexington street to Harbor line.

Kueller street. — Between Trumbull and Boardman streets.

ROXBURY.

Ellingwood street. — To Heath street.

Fenner street. — Washington street to Cardington street.

DORCHESTER.

- Bearse avenue.* — Across Milton Branch Railroad.
Canterbury branch. — Blue Hill avenue and Randolph avenue.
Cedar street. — Cedar street to Sturbridge street.
Claybourne street. — Dakota street, easterly.
Davenport brook. — Between Burt avenue and Washington street.
Davenport brook. — Washington street, easterly. Land of Nichols.
Downer court. — Draper court to Hancock street.
Freeport-street brook. — Between Dorchester avenue and Pleasant street.
Geneva avenue. — Between Geneva avenue and Wilder street.
Glenhedge street. — Between Columbia road and Roseclaire street.
Moseley avenue. — Between Columbia road and Moseley avenue.
Oakland brook. — Between New England Railroad and Bismarck street.
Rosewood street. — Between Rosewood street and Rockdale street.
Tenean creek. — Between Westville street and Speedwell street.
Willow court. — Between Massachusetts avenue and Willow court.

WEST ROXBURY.

- Addington road.* — And adjoining streets.
Neponset-avenue branch. — From Rowe street to Hyde Park avenue.
Roslindale branch. — From Stony brook to Poplar street.
Stony brook. — From Cornwall to Brookside avenue.
Talbot-avenue branch. — From Ashland street to Stony brook.

BRIGHTON.

- Faneuil-valley brook.* — North Beacon street to Charles river.
Faneuil-valley brook. — Additional to Charles river.

The following list gives the sewerage works staked out during the year ending January 31, 1904:

EAST BOSTON.

- Addison street.* — Chelsea street to Kneller street.
Farrington avenue. — Rear of lots toward Montmorencie avenue.

SOUTH BOSTON.

- Old Colony avenue.* — Between Kemp street and Preble street.

DORCHESTER.

- Cedar street.* — Between Cedar street and Sturbridge street.
Lucerne street. — Callender street to Morton street.
Moseley avenue. — Columbia road and Moseley avenue.
Oakland branch. — Rockdale street to Bismarck street.
Tenean creek. — Templeton street to Ashmont street.

WEST ROXBURY.

Canterbury branch. — Stony Brook to Morton street.

Neponset avenue branch. — Rowe street to Seymour street.

Roslindale branch. — Cohasset street to Linden street.

Roslindale branch. — Cohasset street to Washington street.

Roslindale branch. — Sycamore street to Poplar street.

Stony brook. — Boylston street to Brookside avenue.

Tulbot avenue branch. — From Ashland street to Canterbury branch.

BRIGHTON.

Shepard Brook. — Market street to Wool Pond.

The following table gives the comparative annual amounts of paving work measured by the Surveying Division of the Engineering Department for ten years :

YEAR ENDING JANUARY 31.	Feet of Edge- stone Set.	Square Yards Block-stone Paving and Crossings.	Square Yards Round-stone Paving.	Square Yards Brick Paving.	Square Yards Artificial Stone.	Square Yards Coal Tar Concrete.	Square Yards Asphalt Paving.
1895.....	23,487	12,007	5,175	6,168	3,962	11,738	1,406
1896.....	129,383	60,472	32,940	68,701	12,296	183	1,297
1897.....	120,158	64,952	24,976	68,178	13,471	2,971	394
1898.....	154,718	100,414	36,658	94,003	13,599	4,019	27
1899.....	76,991	56,541	14,249	43,930	11,652	1,619	
1900.....	86,354	60,803	17,323	48,946	14,221	789	16
1901.....	264,982	161,428	61,356	147,863	16,541	489	2,377
1902.....	245,410	188,041	30,324	131,487	15,565	698	
1903.....	104,133	135,310	5,077	59,051	14,119	25	
1904.....	60,555	65,474	4,815	29,078	12,806	248	62

The following table shows the amount of paving work, by months, measured by the Surveying Division, for the year ending January 31, 1904:

MONTHS.	Square Yards Asphalt.	Square Yards Asphalt Block Paving.	Square Yards Artificial Stone Sidewalk.	Feet of Edgestone Set.	Square Yards Block-stone Paving and Crossings.	Square Yards Round-stone Paving.	Square Yards Brick Paving.	Square Yards Coal Tar Concrete.
February			30					
March.....			32					
April			138	2,520	7,160		5,679	
May.....		18		11,628	11,111	388	5,824	
June.....			3,082	5,571	6,386	1,131	1,830	
July			844	14,621	10,007		2,684	
August		183	1,596	14,515	17,600	3,296	10,011	
September	62		2,002	10,832	12,158		3,050	228
October			949					
November.....			2,919	868	416			20
December			1,124		36			
Totals.....	62	201	12,806	60,555	65,474	4,815	29,078	248

The following table shows the amount of paving work, by districts, measured by the Surveying Division, for the year ending January 31, 1904:

DISTRICTS.	Square Yards Asphalt.	Square Yards Asphalt Block Paving.	Square Yards Artificial Stone Sidewalk.	Feet of Edgestone Set.	Square Yards Block-stone Paving and Crossings.	Square Yards Round-stone Paving.	Square Yards Brick Paving.	Square Yards Coal Tar Concrete.
City Proper.....	62	18	4,469	12,558	23,513	807	11,965	
South Boston.....			1,564	11,589	6,625	27	1,726	
East Boston.....			105	1,779	3,337	326	2,633	
Charlestown.....			132	2,682	4,376		2,522	20
Roxbury.....			1,764	17,145	17,947	623	8,567	
Dorchester.....			3,575	7,962	5,646		1,665	228
West Roxbury.....		183	555	796	932	3,032		
Brighton.....			642	6,044	3,098			
Totals.....	62	201	12,806	60,555	65,474	4,815	29,078	248

As a matter of record, the following list is given of the work done for the Paving Division of the Street Department, from February 1, 1903, to February 1, 1904:

BOSTON PROPER.

(North of Massachusetts avenue.)

- Alden street.* Grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- Albany street,* East Brookline street to East Canton street. Measurement of edgestone, roadway and sidewalk paving.
- Allston street,* southeasterly corner of Bowdoin street. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Arch street,* No. 22. Grade of edgestone tested and measurement of sidewalk paving.
- Arlington street,* No. 6. Grade of edgestone tested and measurement of sidewalk paving.
- Beacon street,* No. 100. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of sidewalk paving.
- Beacon street,* No. 310. Grade for edgestone.
- Beacon street,* No. 411. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of sidewalk paving.
- Beacon street,* No. 460. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of sidewalk paving.
- Berkeley street,* No. 19. Line and grade for edgestone, grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Beverly street,* No. 49. Grade of edgestone tested and grade for inside for area.
- Bowdoin square,* northwesterly side. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Bowdoin street,* southeasterly corner of Allston street. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Boylston street,* Nos. 23 and 25. Grade of edgestone tested and measurement of sidewalk paving.
- Boylston street,* around triangle Copley square. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Boylston street,* Nos. 367 to 377. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Boylston street,* No. 387. Measurement of sidewalk paving.

- Boylston street*, No. 793. Grade of edgestone tested (twice), grade for edgestone and measurement of sidewalk paving.
- Boylston street*, northerly corner of Hereford street. Line and grade for edgestone.
- Boylston street*, easterly side, at St. Cecilia street. Grade for edgestone.
- Broad street*, northeasterly corner Doane street. Grade of edgestone tested and grade for inside for area.
- Broad street*, No. 149. Grade for driveway.
- Cambridge street*, northwesterly corner Bowdoin square. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Cambridge street*, No. 296. Grade of edgestone tested and grade for inside for area.
- Chambers street*, Ashland street to Brighton street. Line and grade for edgestone and measurement of edgestone, roadway, and sidewalk paving.
- Chambers street*, No. 196. Grade of edgestone tested and grade for inside for area.
- Cherry street*, near No. 7. Grade of edgestone tested and grade for inside for area.
- Columbus avenue*, northwesterly corner Berwick park. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Commercial street*, No. 554. Grade of edgestone tested and grade for inside for area.
- Common street*. Grade for edgestone and measurement of edgestone, roadway, driveway and sidewalk paving.
- Commonwealth avenue*, No. 157. Grade of edgestone tested and grade for inside.
- Commonwealth avenue*, No. 285. Grade of edgestone tested.
- Court street*, No. 94 to 100. Measurement of sidewalk paving.
- Court street*, No. 132. Grade of edgestone tested and grade for inside for area.
- Cotting street*, Lowell street to Wall street. Measurement of edgestone, roadway and sidewalk paving.
- Cross street*. Haymarket square to Endicott street. Grade for edgestone, and measurement of edgestone, roadway and sidewalk paving.
- Cross street*, No. 40 to Endicott street. Measurement of roadway paving.
- Custom House Street*. Grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- Dartmouth street*, around triangle Copley square. Grade of edgestone tested, grade for inside, and measurement of sidewalk paving.
- Dartmouth street*, No. 314. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.

- Derne street*, No. 28. Grade for edgestone, grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Deronshire street*, No. 161. Grade for edgestone, grade of edgestone tested, and measurement of sidewalk paving.
- Doane street*, northeasterly corner Broad street. Grade of edgestone tested and grade for inside for area.
- Doane street*, Nos. 24 and 26. Grade of edgestone tested and grade for inside for area.
- Endicott street*, No. 7 to Stillman street. Measurement of sidewalk paving.
- Endicott street*, No. 95. Grade of edgestone tested and grade for inside for area.
- Ferdinand street*, Cortis street to Isabella street. Grade for edgestone re-marked.
- Ferdinand street*, Railroad to Columbus avenue. Measurement of old edgestone, measurement of edgestone, roadway and sidewalk paving.
- Fleet street*, Nos. 20 and 22. Line and grade for edgestone, grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Franklin street*, No. 297. Grade of edgestone tested and grade for inside for area.
- Garland street*. Line and grade for edgestone.
- Garrison street*, northerly corner St. Botolph street. Line and grade for edgestone, revised grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Gloucester street*, No. 29. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Green street*, westerly corner Bowdoin square. Grade for edgestone, grade of edgestone tested, grade for inside, and measurement of sidewalk paving.
- Greenough lane*. Grade for sidewalk and measurement of sidewalk paving.
- Hanover street*, Nos. 68 and 72. Measurement of sidewalk paving.
- Harrison avenue*, Bennett street to railroad bridge. Grade for edgestone.
- Harrison avenue*, Harvard street to railroad bridge. Measurement of edgestone, crosswalk, roadway, and sidewalk paving.
- Harrison avenue*, Dover street to Union Park street. Line and grade for edgestone and measurement of edgestone, crosswalk, driveway, roadway and sidewalk paving.
- Harvard street*, at Harrison avenue. Measurement of roadway and sidewalk paving.
- Haymarket square*, No. 6. Grade for edgestone, grade of edgestone tested, and measurement of sidewalk paving.
- Haymarket square*, at Cross street. Measurement of roadway paving.

- Hereford street*, northerly corner Boylston street. Line and grade for edgestone and revised grade for edgestone.
- High street*, No. 208. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Huntington avenue*, at Copley square triangle. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Knapp street*, rear of Globe Theatre. Line and grade for edgestone.
- Kneeland street*, at South street. Measurement of edgestone, roadway, driveway and sidewalk paving.
- Lewis street*, Moon street to North street. Measurement for assessment.
- Lyman street*. Line and grade for edgestone, and measurement of edgestone, roadway and sidewalk paving.
- Mason street*, rear of Keith's Theatre. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Mason street*, rear No. 150 Tremont street. Grade of edgestone tested and grade for inside.
- Massachusetts avenue*, northwesterly side, Boylston street to Belvidere street. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of sidewalk paving.
- Milk street*, Old South Building. Grade of edgestone tested and measurement of sidewalk paving.
- Newbury street*, No. 35. Grade of edgestone tested and grade for inside.
- Newbury street*, No. 329 to 353. Measurement for assessment.
- Newbury street*, No. 334 to 340. Grade of edgestone tested and measurement of sidewalk paving.
- Newbury street*, No. 346. Grade of edgestone tested and measurement of sidewalk paving.
- Oneida street*. Line and grade for edgestone.
- Otter street*, westerly corner Beacon street. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of sidewalk paving.
- Prospect street*, Lyman street to South Margin street. Line and grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- Providence street*, rear of Hotel Berkeley. Grade of edgestone tested for area.
- Public Alley*, No. 443, easterly corner Hereford street. Line and grade for edgestone.
- Purchase street*, easterly corner of Broad street. Grade of edgestone tested and grade for inside for area.
- Purchase street*, No. 144 to 154. Measurement of roadway paving.
- Ridgeway lane*, northwesterly corner Derne street. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.

- St. Botolph street*, northerly corner Garrison street. Line and grade for edgestone, revised grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- St. Cecilia street*, westerly side, at bend. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- St. Cecilia street*, Boylston street to Scotia street. Grade for edgestone.
- Savoy street*, No. 18 to Harrison avenue. Measurement of edgestone, roadway and sidewalk paving.
- School street*, northwesterly corner Washington street. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of sidewalk paving.
- Shawmut avenue*, easterly corner Union Park street. Grade of edgestone tested and grade for edgestone.
- South street*, Kneeland street to Harvard street. Line and grade for edgestone and measurement of edgestone, roadway, driveway and sidewalk paving.
- South Margin street*, Prospect street to Staniford street. Measurement of edgestone, roadway and sidewalk paving.
- South Market street*, No. 75. Measurement of sidewalk paving.
- Spring street*, Allen street to Poplar street. Grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- Spring lane*, at westerly corner Washington street. Grade of sidewalk tested and measurement of sidewalk paving.
- Stanhope street*, off Trinity place. Line and grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- Staniford street*, Merrimac street to Green street. Line and grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- State street*, No. 74. Measurement of sidewalk paving.
- State street*, No. 76. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Tremont street*, No. 150. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Tremont street*, southwesterly corner Waltham street. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Union Park street*, easterly corner Shawmut avenue. Grade of edgestone tested and grade for edgestone.
- Union Park street*, at Waltham street. Measurement of sidewalk paving.
- Waltham street*, Washington street to Union Park street. Measurement of edgestone, gutter and sidewalk paving.
- Waltham street*, southerly corner Tremont street. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.

- Washington street*, northwesterly corner School street. Grade of edgestone tested and measurement of sidewalk paving.
- Washington street*, opposite School street. Grade of edgestone tested, sidewalk grade tested and measurement of sidewalk paving.
- Washington street*, Nos. 407 to 411. Grade of edgestone tested for area.
- Washington street*, No. 415. Measurement of sidewalk paving.
- Washington street*, Nos. 414 to 420. Grade of edgestone tested and grade for inside.
- Washington street*, at Globe Theatre. Grade of edgestone tested and measurement of sidewalk paving.
- Webster avenue*, Unity street to Hanover street. Grade for sidewalk and measurement of sidewalk paving.
- West Canton street*, No. 2. Grade of edgestone tested and grade for inside.
- West Dedham street*, Washington street to Shawmut avenue. Grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- Winter street*, No. 15. Grade of edgestone tested and measurement of sidewalk paving.

SOUTH BOSTON.

- Athens street*, D street to E street. Line and grade for resetting edgestone.
- Athens street*, E street to F street. Line and grade for resetting edgestone.
- Athens street*, F street to Dorchester street. Line and grade for resetting edgestone.
- Bolton street*, Nos. 120 to 126. Grade of edgestone tested and inside grade for bulkhead areas.
- Columbia road*, Mt. Vernon street to Atlantic street. Line given, tangent points marked and corners of all intersecting streets defined for construction.
- Columbia road*, Atlantic street to I street. Line given for construction.
- Columbia road*, I street to N street. Line given and tangent points defined for construction.
- Congress street*, Stillings street to New England railroad. Grade of edgestone tested, line and grade for resetting edgestone, line and grade of edgestone tested, inside grade marked, pitch of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Division street*, Foundry street to Dorchester avenue. Line and grade for setting edgestone, measurement of edgestone, gutter and sidewalk paving, and measurement and plan for sidewalk assessment.
- Dorchester street*, northerly side, both corners of Old Colony avenue. Defined for construction.

- Dresser street*, E street to F street. Line and grade for resetting edgestone and measurement of edgestone, roadway and sidewalk paving.
- E street*, east side, West Second street to Dresser street. Measurement of edgestone, gutter and sidewalk paving.
- E street*, No. 164. Line and grade for setting edgestone and measurement for estimate of edgestone required.
- East Broadway*, No. 948. Line and grade of edgestone tested, inside grade marked, slope of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- East Second street*, Nos. 701 and 703. Line and grade for setting edgestone.
- East Seventh street*, H street to No. 419. Line and grade for resetting edgestone.
- East Third street*, No. 716. Measurement for estimate of edgestone required and line and grade for setting edgestone.
- East Third street*, O street to P street. Measurement and plan for sidewalk assessment.
- Gold street*, D street to E street. Line and grade for resetting edgestone, and measurement of edgestone, gutter and sidewalk paving.
- H street*, East Second street to No. 46. Measurement and plan for sidewalk assessment.
- N street*, No. 56. Measurement for estimate of edgestone required and line and grade for setting edgestone.
- Q street*, No. 57. Line and grade of edgestone tested, inside grade marked, pitch of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Stillings street*, easterly corner Congress street. Grade of edgestone tested and grade for resetting edgestone.
- Storg street*, G street to H street. Line and grade for resetting edgestone, measurement of edgestone, gutter and sidewalk paving, and measurement and plan for sidewalk assessment.
- Summer street*, Fort Point Channel to A street. Line and grade for resetting edgestone, and measurement of edgestone and roadway paving.
- Summer street*, Nos. 252-302. Grade of edgestone tested, line and grade for resetting edgestone, revised grade of edgestone given, line and grade of edgestone tested (twice), inside grade marked, pitch of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Summer street*, No. 279 to A street. Grade of edgestone tested, line and grade for resetting edgestone, line and grade of edgestone tested, inside grade marked, pitch of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Summer street*, A street to railroad bridge. Line and grade for resetting edgestone.
- Summer street*, Nos. 312-320. Line and grade of edgestone tested, inside grade marked, pitch of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.

Swallow street, N street to O street. Line given and corners of intersecting streets defined for construction.

Vale street, Nos. 25-27. Line and grade for setting edgestone, line and grade of edgestone tested, inside grade marked, pitch of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.

Vicksburg street, East First street to East Second street. Line given and corners of intersecting streets defined for construction.

West Seventh street, Nos. 98-100. Grade of edgestone tested and inside grade for bulkhead.

EAST BOSTON.

(Including Breed's Island.)

Bennington street, Saratoga street to Revere Line. Lines staked out, also corners of all intersecting streets for construction.

Bremen street, No. 208. Line and grade for setting edgestone, and estimate of edgestone required.

Chelsea street, No. 53. Measurement for sidewalk assessment.

Condor street, Nos. 133 to 139. Line and grade for edgestone, and estimate of edgestone required.

Condor street, Glendon street to Brooks street. Line and grade for setting dish gutters.

Condor street, No. 193. Line and grade for setting edgestone, and estimate of edgestone required.

Condor street, No. 195. Line and grade for setting edgestone.

Condor street, No. 203. Line and grade for setting edgestone, and estimate of edgestone required.

Gladstone street. Line and grade for construction.

Lamson street, Sumner street to Maverick street. Line and grade for edgestone, and measurement of curb, blockstone, crosswalk, gutter and sidewalk paving.

Orleans street, Sumner street to Maverick street. Line and grade for edgestone, and measurement of curb, blockstone, crosswalk and sidewalk paving.

Paris street, No. 140. Line and grade for edgestone, and estimate of edgestone required.

Paris street, No. 142. Line and grade for edgestone, and estimate of edgestone required.

Putnam street, No. 2. Line and grade for edgestone, and estimate of edgestone required.

Putnam street, Condor street to Falcon street. Line and grade for edgestone.

Saratoga street, west corner Wordsworth street. Line and grade for edgestone, and estimate of edgestone required.

Saratoga street, No. 999. Line and grade for edgestone, line and grade for edgestone tested, inside grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk and estimate of edgestone required.

CHARLESTOWN.

- Adams street*, between Common street and Chestnut street.
Line and grade for resetting edgestone and measurement of edgestone, roadway and sidewalk paving.
- Austin street*, between Washington street and Lawrence street.
Corners of intersecting streets put in.
- Baldwin street*, between Main street and Rutherford avenue.
Line and grade for resetting edgestone and measurement of edgestone, roadway, driveway, crosswalk and sidewalk paving.
- Chelsea street*, northerly side, between Prospect street and No. 29. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of sidewalk paving.
- Chelsea street*, westerly corner Prospect street. Grade of edgestone tested and grade for inside for area.
- Cook street*, between Bunker Hill street and Medford street.
Line and grade for resetting edgestone.
- Eden street*, between Main street and Russell street. Line and grade for resetting edgestone.
- Foss street*, between Chelsea street and Water street. Line and grade for resetting edgestone.
- Franklin street*, between Main street and High street. Line and grade for resetting edgestone.
- Hamblen street*, from Arlington avenue across George street.
Corners of intersecting streets put in.
- Lincoln street*, between Main street and Rutherford avenue.
Line and grade for resetting edgestone and measurement of edgestone, roadway, driveway, crosswalk and sidewalk paving.
- Mason street*, at corner of Bow street. Grade of edgestone tested and grade for inside area.
- Parker street*, between Perkins street and Cambridge street.
Line and grade for resetting edgestone.
- Prospect street*, westerly side, between Chelsea street and No. 12.
Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of sidewalk paving.
- Prospect street*, westerly corner Chelsea street. Grade of edgestone tested and grade for inside for area.
- Russell street*, between Sullivan street and Pearl street. Line and grade for resetting edgestone and measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Rutherford avenue*, southeast corner Chapman street. Grade of edgestone tested and grade for inside of area.
- Rutherford avenue*, between Chapman street and Devens street.
Corners of intersecting streets put in and line points marked.
- Union street*, between Rutherford avenue and Washington street.
Line and grade for resetting edgestone.

Warren avenue, at Freight House No. 3. Measurement of tar concrete repairs.

ROXBURY.

(South of Massachusetts Avenue.)

Abbotsford street, No. 6. Grade of edgestone tested and measurement of sidewalk paving.

Ambrose street, at Dearborn school. Grade of edgestone tested.

Bainbridge street, near Dale street. Line and grade for edgestone.

Bainbridge street, easterly side, Dale street to Kingsbury street. Grade for gutter.

Bay State road, No. 79. Measurement of sidewalk paving.

Bay State road, No. 135. Grade of edgestone tested and measurement of sidewalk paving.

Bay State road, southwesterly corner Sherborn street. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.

Bay State road, No. 157. Grade of edgestone tested, grade for edgestone and measurement of sidewalk paving.

Bay State road, Nos. 159 to 169. Grade of edgestone tested (twice), line and grade for edgestone, grade for inside and measurement of sidewalk paving.

Bay State road, Nos. 306 to 310. Line and grade for edgestone tested and measurement of sidewalk paving.

Beacon street, Nos. 591-595. Measurement for assessment.

Bickford street, Centre street to Bromley park. Line and grade for edgestone and measurement of edgestone, gutter and sidewalk paving.

Calumet street, easterly side, Hillside street to St. Alphonsus street. Line and grade for edgestone.

Camden street, Tremont street to Columbus avenue. Grade for edgestone.

Centre street, Nos. 2 to 4. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.

Clifton street, southwesterly side, Shirley street to Burrill street. Line and grade for edgestone.

Columbus avenue, Nos. 1132 to 1140. Grade of edgestone tested (twice), grade for edgestone, grade of sidewalk and edgestone tested and measurement of sidewalk paving.

Commonwealth avenue, No. 609. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.

Commonwealth avenue, at Sherborn street. Revised grade for edgestone and measurement of edgestone and gutter paving.

Copeland street, northwesterly side, No. 16 to Warren street. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.

- Cunard street*, Tremont street to Cabot street. Line and grade for edgestone.
- Day street*, No. 130. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- East Lenox street*, Harrison avenue to Reed street. Measurement for assessment.
- Francis street*, Huntington avenue to Brookline avenue. Measurement to locate old edgestone.
- Francis street*, Nos. 93 to 103. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Fulda street*, Ellis street to Highland street. Line and grade for edgestone and measurement of edgestone, gutter, driveway, crosswalk and sidewalk paving.
- Gainsboro' street*, southerly side, Hemenway street to bend. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Gay Head street*. Measurement to locate old edgestone, line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving; also measurement for assessment.
- Gurney street*, No. 22. Measurement for assessment.
- Harrison avenue*, Thorndike street to Warren street. Line and grade for edgestone, and measurement of edgestone, gutter, roadway, driveway, and sidewalk paving.
- Haviland street*, southerly side, Turner street to Hemenway street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving; also measurement for assessment.
- Hemenway street*, easterly corner Westland avenue. Grade of edgestone and monument tested.
- Hemenway street*, southeasterly corner Gainsboro' street. Line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of sidewalk paving.
- Homestead street*, Humboldt avenue to Walnut avenue. Line and grade for edgestone, and measurement of edgestone, gutter, driveway, and sidewalk paving; also measurement for assessment.
- Homestead street*, No. 49. Measurement of sidewalk paving.
- Homestead street*, Nos. 51-53. Grade of edgestone tested, and measurement of sidewalk paving.
- Humboldt avenue*, No. 214. Line and grade for edgestone.
- Humboldt avenue*, No. 244. Line and grade for edgestone.
- Humboldt avenue*, easterly corner Seaver street. Line and grade for edgestone, grade of edgestone tested, revised grade for edgestone, and measurement for assessment.
- Hunneiman street*, Washington street to Albany street. Line and grade for edgestone and measurement of edgestone, roadway, driveway, and sidewalk paving; also measurement for assessment.

- Hunneman street*, easterly corner Washington street. Revised grade for edgestone.
- Hutchings street*, Nos. 19 to 31. Line and grade for edgestone, line and grade for edgestone tested, and measurement of sidewalk paving.
- Kemble street*, at Duncan's stables, near Magazine street. Measurement for assessment.
- Kensington street*. Measurement to locate old edgestone, etc., line and grade for edgestone, and measurement for assessment.
- Magazine street*, near southerly corner of George street. Line and grade for edgestone.
- Marcella street*, Washington street to Highland street. Line and grade for edgestone, and measurement for assessment.
- Massachusetts avenue*, Nos. 57 to 61. Measurement of sidewalk paving.
- Massachusetts avenue*, No. 327. Grade of edgestone tested and measurement of sidewalk paving.
- Mt. Pleasant avenue*, No. 56. Grade of edgestone tested and measurement of sidewalk paving.
- Northampton street*, Tremont street to Columbus avenue. Line and grade for edgestone.
- Norway street*, southerly side, Massachusetts avenue to Turner street. Line and grade for edgestone, measurement for assessment, and measurement of edgestone and gutter paving.
- Parker Hill avenue*, Huntington avenue to Sunset street. Measurement to locate old edgestone, etc.
- Parker Hill avenue*, Tremont street to Woman's Charity Hospital. Line and grade for edgestone, and measurement for assessment.
- Peterboro' street*, southerly side, near Boylston road. Line and grade for edgestone, grade for edgestone, and grade for edgestone tested.
- Plymouth court*, private way. Measurement of edgestone and gutter.
- Plymouth street*, Longwood avenue to Bernier street. Line and grade for edgestone, revised grade for gutter, and measurement of gutter paving.
- Raleigh street*, easterly side Beacon street to Bay State road. Grade for edgestone.
- Reed street*, at Hunneman street. Line and grade for edgestone.
- Renfrew street*, Harrison avenue to Winslow street. Grade for edgestone, measurement of edgestone, gutter and sidewalk paving.
- Roxbury street*, northerly side, Marvin street to Shawmut avenue. Grade of edgestone tested and grade for inside for area.

- Ruggles street*, railroad bridge to Parker street. Grade for edgestone and measurement of edgestone, roadway, driveway, crosswalk and sidewalk paving.
- St. Alphonsus street*, Smith street to Tremont street. Line and grade for edgestone, and measurement of edgestone, gutter, driveway and sidewalk paving.
- St. Cecilia street*, opposite Scotia street. Measurement for assessment.
- Seaver street*, easterly corner Humboldt avenue. Line and grade for edgestone, revised grade for edgestone, and measurement for assessment.
- Sherborn street*, southwesterly corner Bay State road. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Sherborn street*, Commonwealth avenue to Bay State road. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Tremont street*, Northampton street to Camden street. Grade for edgestone, grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Tremont street*, at southerly corner of Worthington street. Measurement for assessment.
- Tremont street*, No. 1624 to St. Alphonsus street. Measurement of sidewalk paving.
- Turner street*, easterly side, near Astor street. Line and grade for edgestone.
- Walnut avenue*, No. 320 to Abbotsford street. Line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Watson street*, Camden street to Northampton street. Line and grade for edgestone.
- Watson street*, northwesterly side. Grade of edgestone tested and grade for area.
- Wilbur street*, at Harrison avenue. Measurement of edgestone, gutter and sidewalk paving.
- Westland avenue*. Measurement to locate old edgestone, line and grade for edgestone and measurement for assessment.
- Westland avenue*, at Hemenway street. Grade of edgestone and monument tested.
- Whiting street*, Winthrop street to Moreland street. Line and grade for edgestone.
- Whittier street*, Tremont street to Columbus avenue. Measurement to locate old edgestone and line and grade for edgestone.
- Wigglesworth street*, Nos. 32 to 42. Line and grade for edgestone.
- Worthington street*, Longwood avenue to Fenway street. Grade for grading.

DORCHESTER.

- Abbot street*, Nos. 27-29. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Algonquin street*, No. 13. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Allston street*, No. 38. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Armandine street*. Line and grade for edgestone.
- Auckland street*, No. 36. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Auckland street*, No. 41. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Auckland street*, Nos. 40-42. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Auckland street*, Nos. 41-47. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Auckland street*, at northeast corner of Elton street. Line and grade for edgestone.
- Batchelder street*, at corner of East Cottage street. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Bird street*, at Columbia road. Line and grade for edgestone.
- Bloomfield street*, No. 45. Measurement of artificial stone sidewalk.
- Blue Hill avenue*, Nos. 1059-1099. Line and grade of edgestone tested and street line and grade marked.
- Bowdoin avenue*, Nos. 14 and 89. Measurement of artificial stone sidewalk.
- Bowdoin avenue*, No. 79. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Bowdoin avenue*, No. 85. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.

- Bowdoin street*, No. 14. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Bowdoin street*, No. 115. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Brenton street*, at Greenwood street. Line and grade for setting edgestone.
- Brookford street*, Nos. 9-11. Line and grade for setting edgestone.
- Bullard street*, Nos. 9-11-15 and 17. Line and grade for setting edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Centre street*, Nos. 67-227-229. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Charles street*, Dorchester avenue to Geneva avenue. Line and grade for edgestone and measurement of edgestone and paving.
- Clarkson street*, at corner of Hamilton street. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Clarkson street*, Hamilton street to Quincy street. Line and grade for edgestone.
- Columbia road*, at Bird street. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Columbia road*, near Greenhalge street. Line and grade for artificial stone sidewalk.
- Columbia road*, at corner of Normandy street. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Columbia road*, Nos. 250-258. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Columbia road*, No. 244. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Corbet street*, easterly side, near Selden street. Line and grade for artificial stone sidewalk.
- Dacia street*, No. 85. Line and grade for edgestone.
- Dewey street*, No. 24. Line and grade for setting edgestone.

- Dix street*, Nos. 15-17. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Dix street*, No. 19. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Dix street*, No. 65. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Dorchester avenue*, Freeport street to Roach street. Line and grade for edgestone and measurement of edgestone and paving.
- Dorchester avenue*, Nos. 911-921. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Dorchester avenue*, No. 1003. Measurement of artificial stone sidewalk.
- Dorchester avenue*, No. 1502. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- East Cottage street*, No. 36. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- East Cottage street*, at Dudley street. Line and grade for edgestone.
- Edison Green*. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Elmo street*, Erie street to Greenwood street. Line and grade for edgestone.
- Erie street*, Nos. 5-7-9. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Fayston street*. Measurement of artificial stone sidewalk.
- Genera avenue*, Park street to Vinson street. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Hamilton street*, No. 111. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Hancock street*, No. 69. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.

- Hartford street*, Nos. 40-42. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Hewins street*, Nos. 44-47-48-52. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Kenwood street*, Nos. 20-24. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Magnolia street*, No. 45. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Magnolia street*, No. 112. Line and grade for edgestone.
- McLellan street*, No. 61. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Monadnock street*, Nos. 64-66. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Montello street*, No. 7. Line and grade for edgestone.
- Montello street*, No. 20. Line and grade for edgestone.
- Mt. Vernon street*, Nos. 35-37. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Neposet avenue*, Nos. 400-412. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Norfolk street*, Nos. 141-151. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Normandy street*, at Columbia road. Line and grade for setting edgestone.
- Olney street*, No. 53. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Park street*, Nos. 340-342. Line and grade for setting edgestones, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.

- Romsey street*, No. 29. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Roseclair street*, at corner of Mt. Vernon street. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Rosedale street*, No. 19. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Roslin street*, No. 49. Line and grade for setting edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Sagamore street*, No. 47. Line and grade for edgestone.
- Seaver street*, at Columbia road. Line and grade for edgestone.
- Spencer street*, No. 26. Measurement of artificial stone sidewalk.
- Standish street*, No. 5. Line and grade for edgestone.
- Stanwood street*, Nos. 146-150. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Stanwood street*, Nos. 152-154. Line and grade for edgestone.
- Talbot avenue*, Nos. 504-516. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Thetford street*, Nos. 11-20-24-26. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Thetford street*, No. 66. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Thetford street*, Nos. 69-91. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Virginia street*, Nos. 57-59. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Walcott street*, No. 44. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.

- Walcott street*, No. 64. Measurement of artificial stone sidewalk.
- Welles avenue*, No. 36. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Westcott street*, Park street to Talbot avenue. Line and grade for edgestone.
- West Park street*, Bernard street to Standish street. Line and grade for edgestone.
- Westville street*, at school-house lot. Line and grade for edgestone.
- Wheatland avenue*, Kilton street to Washington street. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Willis street*, No. 20. Line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Willis street*, No. 30. Line and grade for edgestone, line and grade of edgestone tested, street line and grade marked, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.

WEST ROXBURY.

- Adelaide street*, at No. 11. Estimate of edgestone required, line and grade for edgestone, line and grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Ashfield street*, between Walter street and Fairview street. Line and grade for paving gutters.
- Ashland street*, westerly corner of Brown avenue. Estimate of edgestone required, line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of edgestone and sidewalk paving.
- Belmore terrace*, southeasterly corner of Boylston street. Line and grade of edgestone tested, line and grade for inside, and measurement of sidewalk paving.
- Boylston street*, southeasterly corner of Belmore terrace. Line and grade of edgestone tested, line and grade for inside, and measurement of sidewalk paving.
- Boynton street*, Nos. 9-17. Estimate of edgestone required and line and grade for edgestone.
- Boylston street*, westerly corner of Burr street. Line and grade of edgestone tested (twice), grade for inside, and measurement of sidewalk paving.
- Brookside avenue*, westerly side, in front of the Church of Our Lady. Line and grade for edgestone.
- Brown avenue*, westerly corner of Ashland street. Estimate of edgestone required, line and grade for edgestone, line and grade of edgestone tested, grade for inside, and measurement of edgestone and sidewalk paving.

- Burr street*, westerly corner of Boylston street. Line and grade of edgestone tested (twice), grade for inside, and measurement of sidewalk paving.
- Culder street*, between Blue Hill avenue and Canterbury street. Street line corners staked out for construction.
- Canterbury street*, No. 50. Estimate of edgestone required and line and grade for edgestone.
- Canterbury street*, between Hyde Park avenue and the railroad bridge. Line and grade for resurfacing street.
- Canterbury street*, between Mt. Hope street and Hyde Park avenue. Line and grade for gutter and measurement of gutter paving between Mt. Hope street and Ashland street.
- Centre street*, southerly side, between Paul Gore street and Sheridan street. Line and grade for widening street.
- Danforth street*, northwesterly side, between Paul Gore street and land of the Infant Asylum. Line and grade for edgestone and measurement of edgestone, gutter and sidewalk paving.
- Forbes street*, at Wyman-street School. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Haverford street*, from Cornwall street northerly about 310 feet. Street line corners staked out for construction.
- La Grange street*, between Linnet street and Shaw street. Line and grade for constructing sidewalks.
- Pond street*, No. 18. Line and grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Seaverns avenue*, northerly side at Alfred street. Line and grade for edgestone.
- Seymour street*, between Brown avenue and Canterbury street. Street corners staked out for construction.
- South Huntington avenue*, between Perkins street and Centre street. Street line corners staked out for construction.
- Spalding street*, between South street and Old Colony Railroad. Street corners staked out for construction.
- Sycamore street*, between Ridge street and Florence street. Line and grade for gutters and measurement of gutter paving.
- Sycamore street*, between Poplar street and Ashland street. Line and grade for gutters and measurement of gutter paving.
- Symmes street*, between Walter street and Fairview street. Line and grade for gutters.
- Tower street*, between Washington street and Forest Hills Cemetery. Street line corners staked out for construction.
- Walk Hill street*, between South street and Washington street. Street line corners staked out for construction.
- Walk Hill street*, between Harvard street and Mt. Hope Cemetery. Line and grade for paving gutters and measurement of gutter paving.
- Walter street*, between Centre street and South street. Street line corners staked out for construction.

BRIGHTON.

- Arden street*, between Hooker street and Coolidge street. Line and grade for surfacing street.
- Brighton avenue*, Nos. 59 to 75. Line and grade of edgestone tested (twice), line and grade for resetting edgestone, grade for inside and measurement of sidewalk paving.
- Cambridge street*, southerly side, between Charles river and Boston & Albany railroad bridge. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Chester street*, between Brighton avenue and Gardner street. Line and grade for edgestone and measurement of edgestone and sidewalk paving.
- Chester street*, No. 16. Line and grade of edgestone tested (twice), line and grade for resetting edgestone, grade for inside and measurement of sidewalk paving.
- Coolidge street*, between Mansfield street and North Harvard street. Line and grade for construction and measurement of gutter paving.
- Eleanor street*, between Cambridge street and Ridgemont street. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Essex street*, between Commonwealth avenue and the Cambridge line. Line and grade for construction.
- Gordon street*, between Cambridge street and North Beacon street. Estimate of edgestone required, line and grade for edgestone and dish gutters, and measurement of edgestone and gutter paving between Cambridge street and Pomeroy street.
- Harvard avenue*, between Nos. 171 and 177. Line and grade of edgestone tested (twice), line and grade for resetting edgestone, grade for inside and measurement of sidewalk paving.
- Haskell street*, between Hooker street and Coolidge street. Line and grade for surfacing street.
- Oak Square avenue*, No. 32. Line and grade for resetting edgestone, line and grade of edgestone tested (twice), grade for inside and measurement of sidewalk paving.
- Ridgemont street*, entire length. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Royal street*, between Hooker street and Coolidge street. Line and grade for surfacing street.
- Summit avenue*, between Commonwealth avenue and Brookline line. Line and grade for construction.
- Washington street*, easterly corner of Montfern avenue. Estimate of edgestone required, line and grade for edgestone, line and grade of edgestone tested, grade for inside and measurement of edgestone and sidewalk paving.

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	Plans in progress, City Proper.....	97
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	Roxbury sectional plans.....	163
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	Blue prints of official and progress plans	1,925
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	Blue prints, change of Grade, Providence Division, Old Colony R.R.....	48
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	Plans of proposed streets submitted by owners and approved by the Board of Street Commissioners:	
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Lithographed maps of Dorchester, made in 1869	34
“ “ “ “ “ 1880	128
“ “ “ West Roxbury, made in 1873	12
“ “ “ Fort Hill, made in 1866-69	80
“ “ “ Church-street district, made in 1868	171
“ “ “ Washington-street widening (parts 1, 2, 3), made in 1860	1,190
“ “ “ Washington-street extension, made in 1869,	324
“ “ “ North street, made in 1859	44
“ “ “ Stony brook, drainage area	10
“ “ “ Boston, made in 1866-67	98
“ “ “ Boston, made in 1888	30
“ “ “ Suffolk-street district, made in 1869	9
“ “ “ South Boston, made in 1880	62
“ “ “ Roxbury, made in 1880	84
“ “ “ Burnt district	65
“ “ “ Mt. Hope Cemetery	24
“ “ “ Winthrop Farm	49
“ “ “ Hanover avenue	44
“ “ “ Muddy river	41
“ “ “ Pemberton square, Court-house site	195
“ “ “ East Newton street, lots on, sold by auc- tion, made in 1888	42
“ “ “ Public lands in South Boston, sold by auc- tion, made in 1885	82
“ “ “ Public lands in South Boston, sold by auc- tion, made in 1888	8
“ “ “ Boylston street, old Public Library lot	17
“ “ “ Public lands in South Boston, sold by auc- tion, made in 1882	136
“ “ “ Boston Directory map, made in 1886	60
“ “ “ Boston, scale, 1,600 feet to an inch, made in 1890	106
“ “ “ Boston, scale, 800 feet to an inch, made in 1891, colored plans	5
“ “ “ Boston Proper, scale, 500 feet to an inch, made in 1894	12
“ “ “ Exhibit No. 1, City Surveyor's Report, 1893	73
“ “ “ Exhibit No. 2, City Surveyor's Report, 1893	90
“ “ “ Exhibit No. 3, City Surveyor's Report, 1893	102
“ “ “ High street, public lands sold by auction	16
“ “ “ Beacon Hill, State House site	38
“ “ “ Harrison avenue, Savage School-house lot, auction plan	57
“ “ “ Boston Proper, showing changes in street and wharf lines from 1795 to 1895	302
	<hr/>
	3,806

[FROM THE CITY ENGINEER'S REPORT TO THE
WATER DEPARTMENT.]

During the year 15 miles of main pipe have been laid and 10.2 miles abandoned, making a total length in the system of 732 miles.

Some of the most important work done is the following:

The 30-inch main in Tremont street was relaid for a distance of 1,084 feet between Northampton and Rutland streets. This is one of two large parallel pipes laid from the Brookline reservoir to Boston Common in 1848, which supplied the city until 1859, when a third main was laid. These two mains are in good condition throughout their length, with the exception of the portions in Tremont street, from Hammond to Dover streets, where the pipes were originally laid in marsh mud, and were afterwards raised to conform to the present grade of Tremont street. The condition of the original soil and the character of the filling have caused a demoralization of the iron in the pipes sufficient to seriously impair their strength. It is proposed to continue the relaying of these mains where they are in bad ground as fast as practicable.

The work of relaying and raising out of the marsh mud the 40-inch low service main in Brookline avenue, from Bellevue to Jersey streets, was completed by relaying 594 feet of pipe.

The 30-inch high service main in Washington street, Dorchester, was extended 928 feet, from Burt street towards Codman street.

Owing to the lowering of the tracks of the N. Y., N. H. & H. R.R. under West Fourth-street bridge, it was necessary to relay 317 feet of 20-inch and 490 feet of 12-inch pipe, from Fort Point channel to Foundry street; this work was somewhat difficult, as the location crossed nineteen railway tracks on which trains were continually moving. At the same time connection was made with the 20-inch pipe laid in 1894 in West Fourth street, from Foundry street to Dorchester avenue.

The consumption of water on the island service in the harbor has increased rapidly during the past few years, largely owing to the establishment, by the United States government, of a permanent garrison at Fort Strong on Long Island, of a fort on Lovell's Island and of a larger garrison at Fort Warren. To provide an adequate supply at these points and at the city institutions, it was necessary to lay 3,338 feet of 12-inch pipe on Long Island from the west end of the island to a point near Fort Strong.

The present winter has been one of unusual severity. Not since 1874 has so much trouble been experienced from frozen mains, hydrants and services. Careful measurements have been made of the depths to which the frost has penetrated, of which the following table is a summary :

Depths of Frost from Actual Measurements During the Present Winter.

LOCATION.	Character of Soil.	Depth of Frost.	Conditions at Surface.
		ft. in.	
Western ave., at No. Harvard st., Bri..	Gravel....	5 6	Car tracks, ground bare.
Southampton st., at Reading st., Rox..	Clay	5 5	" " " "
First st., near L st., S. B.....	Gravel....	5 3	Sidewalk, " "
Codman pk., near Townsend st., Rox..	Stone fill- ing and clay	5 2	About 2 in. ice, 6 in. snow.
Edgerly pl., off Winchester st., C. P....	Gravel....	5	Sidewalk, ground bare.
Beacon st., at Fairfield st., C. P.	"	4 10	" " "
Cambridge st., at Union sq., Bri.....	"	4 10	5 in. ice.
Broadway, at I st., S. B.....	Clay and gravel ..	4 9	Car tracks, ground bare.
Centre st., at Eliot sq.....	Gravel....	4 9	About 6 in. ice.
Elghth st., at H st., S. B.....	Clay	4 7	Car tracks, ground bare.
Dorchester ave., at D st., S. B.....	"	4 6	" " " "
Reading st., at Southampton st., Rox ..	"	4 6	About 6 in. ice.
Dudley st., at North ave., Dor.....	Gravel....	4 6	" 6" "
Tremont st., at Canton st., C. P.....	Clay	4 4	" 16" " 8 in. snow.
Shawmut ave., at Waltham st., C. P....	"	4 4	Car tracks, ground bare.
Atlantic ave., at Long Wharf, C. P....	Clay, etc..	4 4	Sidewalk, " "
" " " Clinton, C. P.....	Clay.. ...	4 4	Car tracks, " "
Broadway, at Emerson st., S. B.....	Gravel....	4 4	Sidewalk, " "
East Fourth st., at N st., S. B.....	"	4 4	" " "
Parker st., near Huntington ave., Rox.,	Clay	4 4	10 in. ice.
Tremont st., at Parker st., Rox.....	"	4 3	Car tracks, ground bare.
A st., at Broadway, S. B.....	"	4 3	About 1 in. ice.
Tremont st., at Rutland st., C. P.....	Clay and gravel ..	4 1	" 16 in. ice, 8 in. snow.
Shawmut ave., at Northampton st., C. P.	Clay and gravel ..	4	4 in. ice.
Porter st., at Chelsea st., E. B.....	Clay	4	About 6 in. ice, 6 in. snow.
Bradford ter., near Centre st., W. R. ..	"	4	" 1 in. snow.
Summer st., near A st., S. B.....	"	4	" 10 in. ice.

The improvement of the fire service has been prosecuted vigorously during the year, the following work having been done in this line:

3,283 feet	16-inch	pipe	laid,	replacing	12 inch	and	6 inch.
18,306	"	12	"	"	"	"	8 inch, 6 inch and 4 inch.
12,656	"	10	"	"	"	"	6 inch and 4 inch.
7,435	"	8	"	"	"	"	6 inch and 4 inch.

The experiment of thawing frozen services by electricity was tried with entire success; the pipes thawed were of lead, the time required to do the work varying from three to seven minutes. Both the Edison alternating current of 2,250 volts and the Edison direct current of 220 volts were used; in the case of the alternating current a transformer and a water rheostat were used in the primary circuit, reducing the voltage in the secondary circuit to about 50, with about 250 to 300 amperes. One of the secondary wires was connected to the service pipe inside the house, the other to a hydrant in the street. When the direct current was used a connection was made with one of the outside wires of the Edison three-wire system in a junction-box in the street, and the current, after passing through a water rheostat for reduction, was carried by a wire directly to the service pipe in the house, whence it passed through the service to the main.

Electrical investigation has been continued, and it has been found that at points the water pipes are being rapidly destroyed by electrolysis, notably in the vicinity of power stations; the condition of the pipes in some places where they have been exposed for examination is such that unless remedial measures are taken at once serious trouble is certain.

Average Stated Monthly Heights, in Feet, above City Base, to which Water Rose at Different Stations, on the Boston Water Works.

1903.	Chestnut Hill Pumping Station, Brighton				Boston Common				Engine House No. 1, Salem street				Engine House No. 2, East street				Engine House No. 38, Congress street, South Boston				Engine House No. 2, Fourth and O streets, South Boston				Engine House No. 20, Walnut street, Dorchester				Engine House No. 34, Western avenue, Brighton				Engine House No. 32, Bunker Hill street, Charlestown				Engine House No. 5, Marion street, East Boston				City Hall, High Service		Engine House No. 24, Quincy street, Roxbury High Service		Engine House No. 19, Norfolk street, Dorchester High Service		Engine House No. 39, Chestnut Hill avenue, Brighton High Service		Parental School, Spring street, West Roxbury High Service	
Month	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	1 P.M.	5 P.M.	3 A.M.	9 A.M.	3 A.M.	9 A.M.	3 A.M.	9 A.M.	3 A.M.	9 A.M.						
January	144.9	166.0	160.9	150.0	125.9	119.8	122.7	123.0	122.7	115.7	119.0	119.1	120.0	119.1	122.3	123.2	119.2	108.8	111.3	114.8	121.7	111.2	115.8	116.6	119.6	109.5	111.5	115.0	131.4	137.0	117.0	134.8	102.3	158.2	190.0	161.2	157.7	149.2	151.6	151.7	247.9	241.2	245.9	238.2	246.3	242.5	246.4	245.0	246.9	243.1
February	144.9	165.4	160.7	158.9	127.0	121.8	121.0	124.0	125.5	118.3	120.5	121.0	128.2	121.9	123.0	125.0	121.9	112.3	116.1	117.5	123.3	113.1	117.6	118.3	121.9	111.7	115.1	116.6	132.6	137.9	138.0	135.6	101.1	158.2	159.7	160.5	155.8	147.7	150.4	151.9	247.7	240.2	246.4	239.2	247.1	245.1	246.3	244.9	246.9	243.2
March	147.6	165.4	160.8	158.0	134.0	125.8	126.1	129.5	132.8	127.0	123.4	125.9	136.9	126.4	128.0	129.3	131.5	117.9	121.8	122.5	134.0	120.3	121.5	124.9	131.5	116.1	120.4	121.7	139.4	140.5	140.5	139.6	161.2	158.4	159.2	159.9	158.8	151.5	153.6	154.6	247.1	239.4	246.9	239.2	247.3	242.6	246.8	245.1	246.5	242.3
April	144.5	166.2	160.6	159.2	135.0	127.0	127.4	130.8	132.0	134.5	121.2	127.8	136.0	128.2	130.7	141.2	131.5	121.8	124.6	121.2	114.0	122.1	125.2	127.7	131.8	119.1	121.2	125.8	137.8	141.7	140.9	141.1	161.7	158.3	159.9	159.8	159.0	151.3	154.9	156.0	247.2	238.1	246.9	239.1	247.1	242.2	246.3	244.6	247.2	245.1
May	144.1	162.0	159.7	158.0	135.9	124.2	125.0	130.5	132.5	131.8	123.8	126.8	136.5	131.5	127.9	139.0	132.1	117.9	123.5	124.6	134.2	120.7	120.7	127.3	132.8	115.5	123.9	124.5	137.2	137.8	138.9	139.1	161.3	156.3	158.0	158.9	160.1	149.7	153.8	155.0	247.2	236.1	247.0	236.8	247.1	239.7	245.2	243.5	247.6	243.2
June	145.9	164.7	160.6	158.4	135.7	125.2	130.0	131.0	132.1	129.0	127.1	127.2	136.5	137.4	130.9	131.4	132.0	120.4	125.4	126.4	131.0	122.0	121.9	126.7	132.5	119.1	125.9	125.1	137.1	139.6	140.9	140.6	160.9	158.1	159.2	158.3	159.1	151.5	154.1	154.4	247.0	247.5	247.0	237.7	246.7	240.2	245.0	244.1	248.9	244.6
July	143.8	164.7	161.7	159.2	136.1	125.2	128.2	130.2	131.7	130.9	124.9	126.1	136.5	136.1	130.0	130.0				134.5	118.6	122.3	121.3	131.4	116.2	124.1	122.6	136.7	138.3	140.8	139.5	160.0	153.8	156.6	157.1	159.2	151.3	151.3	154.6	246.8	236.3	246.2	238.2	246.2	240.2	246.6	244.5	248.6	242.2	
August	141.8	162.1	159.9	158.7	136.3	126.0	128.8	131.7	132.4	122.9	126.5	127.5	135.8	128.5	130.9	131.1				133.6	120.9	125.7	126.1	132.8	118.3	121.9	125.3	137.7	139.3	140.5	141.0	150.3	150.2	157.6	157.4	159.0	152.5	154.6	154.4	246.7	237.6	246.3	239.2	246.3	241.1	244.6	243.8	246.3	244.2	
September	143.9	165.0	160.2	158.0	135.7	124.4	126.9	130.2	131.5	129.2	123.5	127.0	135.7	125.1	129.7	130.1				132.9	117.8	122.5	125.8	131.7	115.1	121.6	124.8	136.7	137.5	140.4	140.3	150.0	155.3	157.0	157.2	159.1	149.0	153.1	153.8	246.7	237.3	247.5	238.2			244.7	243.6	245.4	243.1	
October	144.1	164.9	160.5	158.2	135.0	126.6	128.7	130.0	132.0	128.0	125.0	126.9	135.3	127.4	130.2	130.1				131.2	120.4	123.7	125.1	131.6	118.2	121.0	121.7	139.1	139.6	139.7	139.6	161.0	158.4	156.3	154.2	159.2	152.2	154.4	154.2	247.0	237.5	246.8	238.8			244.9	243.6	248.8	245.1	
November	141.8	163.0	160.3	159.1	135.5	128.4	130.1	132.4	131.3	124.2	125.8	128.0	136.1	128.1	130.0	131.7	119.3	125.5	125.8	128.0	133.1	121.7	121.9	127.6	131.7	120.4	124.1	125.5	137.2	139.6	140.1	139.7	161.6	154.9	152.7	157.5	159.2	151.1	153.7	163.8	247.2	238.6	246.8	240.9			245.0	244.0		
December	145.5	164.3	160.9	159.7	131.7	122.5	124.2	126.2	127.4	118.6	120.1	122.3	130.0	122.7	125.5	126.6	126.2	115.6	118.9	120.0	126.1	114.1	119.0	119.8	125.1	113.6	118.3	119.1	152.7	136.1	136.2	135.7	160.2	156.2	159.7	160.4	154.5	147.4	150.3	151.1	247.0	239.0	247.5	241.6			244.9	244.1		

Monthly Rainfall in Inches during 1903 in Various Places in Eastern Massachusetts.

PLACES.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Framingham.....	3.77	3.91	6.34	2.94	1.15	8.55	2.55	3.60	1.49	4.42	1.48	3.05	43.25
Dam 4, Asiland.....	3.83	4.02	6.58	2.91	0.67	8.05	2.86	3.69	1.46	4.78	1.62	3.19	43.66
Cordaville	3.96	4.02	7.25	3.24	0.94	9.98	2.96	3.96	2.17	4.85	1.63	3.46	48.42
Lake Cochituate.....	3.81	3.88	6.30	3.17	1.56	7.61	3.00	4.20	1.31	4.27	1.53	3.18	43.82
Chestnut Hill Reservoir.....	3.95	4.60	6.62	4.33	0.79	8.14	3.54	4.01	2.96	4.87	1.53	3.01	48.35
Spot Pond.....	3.78	4.58	6.38	4.67	0.33	9.16	3.32	3.44	1.44	3.84	1.40	3.18	45.52
Cambridge Observatory.....	3.54	3.65	6.09	4.07	0.38	7.40	3.11	3.56	1.67	4.05	1.52	3.25	42.29
Waltham, Boston Manufacturing Company.....	4.76	4.23	6.85	4.21	1.75	8.29	3.83	3.54	2.17	4.74	1.82	4.20	50.39
Lowell, Locks and Canals Company.....	3.39	3.95	5.90	3.69	0.82	9.18	2.62	3.68	1.74	4.46	1.53	3.01	43.97
Main Drainage Yard, 795 Massachusetts avenue....	3.47	3.22	6.51	4.41	0.49	7.21	3.25	3.72	2.61	4.17	1.43	3.02	43.51
Average of above ten places.....	3.83	4.01	6.48	3.76	0.89	8.36	3.10	3.74	1.90	4.44	1.55	3.26	45.32

GENERAL STATISTICS.

BOSTON WATER DEPARTMENT.

Daily average amount used through meters during 1903 (gallons)	18,537,000
Number of services February 1, 1904	90,013
Number of meters in service February 1, 1904	4,727
Number of motors under supervision February 1, 1904	130
Number of elevators under supervision Feb- ruary 1, 1904	588
Length of supply and distributing mains in miles February 1, 1904	732
Number of public hydrants in use February 1, 1904	7,563
Yearly revenue from annual water rates	\$1,287,200 69
Yearly revenue from metered water	\$1,049,831 58
Percentage of total revenue from metered water,	44.9
Yearly expense of maintenance	\$703,134 86

[FROM THE CITY ENGINEER'S REPORT TO THE
STREET DEPARTMENT.]

BULKHEAD AT CITY WHARF, CHARLESTOWN.

To support the filling for the extension of the paving yard on Medford street, Charlestown, a timber bulkhead about one hundred and fifty feet long has been built across the end of the south channel of Mystic river, and a wharf ten feet wide has been built in front of the bulkhead. This was done under a contract with George Hayes & Co., dated June 1, 1903, at a total cost of \$3,090.

COLUMBIA ROAD.

Plans and specifications were prepared for building iron fences on the walls on Columbia road and Mt. Vernon street adjoining the bridge over Shoreham street.

COLUMBIA ROAD BRIDGE OVER N.Y., N.H. & H. R.R.

Asphalt sidewalks have been built on this bridge during the year under a contract with the Warren Brothers Co., at a cost of \$600.

CUMBERLAND-STREET RETAINING WALL.

A concrete retaining wall across the end of Cumberland street, adjoining the Providence Division of the New York, New Haven & Hartford Railroad, has been built under a contract with the Metropolitan Contracting Company, dated June 4, 1903, at a total cost of \$1,150.

EAST BOSTON FERRIES.

North Ferry, East Boston Side. — A contract was made March 13 with Lawler Brothers for rebuilding the middle pier in accordance with plans and specifications made by this department the previous year. Work was begun April 20

and completed June 26. The old pier was in very poor condition, except the outer thirty feet and a small part of the inshore end, and these were not rebuilt under the contract; the north pier was repaired by the driving of four additional piles; the cost of the contract work was \$4,250. The heads of the middle and south piers, becoming badly worn and broken, were also rebuilt by Lawler Brothers.

South Ferry, Boston Side. — A report was made in March on the condition of the middle pier, recommending the renewal of a few piles and some other repairs. The work was done under the supervision of the Ferry Division.

FRANKLIN-STREET SUBWAY APPROACHES, ALLSTON.

A contract has been made with William Crane, dated October 28, 1903, for building two inclined approaches to the Franklin-street subway, one from Lincoln street and one from Cambridge street. The work is now well under way, and will be completed about June 1, 1904.

GAINSBOROUGH-STREET FOOT-BRIDGE.

Concrete foundations for a foot-bridge, with stairways on both sides of the location of the Providence Division of the New York, New Haven & Hartford Railroad at Camden and Gainsborough streets, have been built under a contract with the Metropolitan Contracting Company, dated April 11, 1903, at a cost of \$1,979. Plans for the steel superstructure were also prepared and proposals for doing the work were received in September, 1903, but on account of the prevailing high price of structural steel at that time they were all rejected. Early in the coming season proposals will again be asked for, and the bridge will undoubtedly be erected during the summer.

PAVING WHARF NO. 2, 600 ALBANY STREET.

The old wharf at this place consisted of a platform built on piles and cross-caps, on top of which was about four feet of earth; it had broken down in several places, and had been repaired numerous times, and was in poor condition. Plans and specifications were made for building a solid wharf, a stone wall to be built on three sides to retain the filling. The wall rests on a spruce pile foundation, the piles being capped, a close row of 6-inch spruce sheeting is driven in front of the piles and bolted to them, gravel filling is de-

posited inside the sheeting around the piles, and the foundation is planked with 4-inch spruce; on top of this a dry granite wall is built, capped with a granite coping laid in cement; a relieving platform is built, the wall ballasted and the wharf filled solid; oak fender piles, spaced six feet apart, are to be driven along the faces of wall, and capped and fastened to the coping.

A contract was made with John P. Cavanagh, March 16, for doing the work, the contract price being \$24,700. The work is about 60 per cent. completed.

ASSESSMENT STREETS.

Working plans, specifications, and forms of contract were prepared and forwarded to the Street Department for the following assessment streets and public alleys:

Austin street, Washington street to Lawrence street.
Bennington street, Orleans street to Moore street.
Blandford street, Beacon street to B. & A. R.R.
Bow street, Washington street to City square.
Calder street, Blue Hill avenue to Canterbury street.
Carleton street, Yarmouth street to West Newton street.
Columbia road, bridge over Old Colony avenue to I street.
Cummington street, Blanford street to Lawton street.
Davenport street, Columbus avenue to Tremont street.
Devens street, Rutherford avenue to Washington street.
Dunreath street, Aspen street about 350 feet westerly.
Elmont street, Waterlow street to Faxon street.
Florida street, Templeton street to Ashmont street.
Hale street, South Margin street 142 feet southwesterly.
Jersey street, Brookline avenue to Audubon road.
Millet street, Talbot avenue to Southern avenue.
Oswald street, Calumet street to Hillside street.
Queensberry street, Audubon road to Audubon road.
Ritchie street, Columbus avenue to Marcella street.
Roseclair street, Dorchester avenue to Boston street.
Rowe street, Seymour street to Ashland street.
Rutherford avenue, Chapman street to Devens street.
St. Margaret street, Boston street to Roseclair street.
Seymour street, Canterbury street to Brown avenue.
Spalding street, South street to B. & P. R.R.
Swallow street, N street to O street.
Tower street, Hyde Park avenue to Forest Hills Cemetery.
Walk Hill street, South street to Washington street.
Walter street, Centre street to South street.
Washington street, Spring lane 154 feet southerly.
Public Alley 303, from between 46 and 48 Pinckney street.
Public Alley 804, Alley 803 to Alley 805.

PLANS AND SPECIFICATIONS FOR REPAVING STREETS.

Preliminary surveys were made and the working plans, specifications and forms of contract were prepared and forwarded to the Street Department for repaving the following streets :

Avery street, Washington street 300 feet westerly.
Berkeley street, Beacon street to Boylston street.
Beverly street, Washington street north to Warren bridge.
Broad street, Central street to Atlantic avenue.
Bromfield street, Tremont street to Washington street.
Central street, Broad street to India street.
Dartmouth street, Beacon street to Newbury street.
Dover street, Washington street to Harrison avenue.
E street, West Broadway to West Fourth street.
E street, West Seventh street to West Eighth street.
Franklin street, Oliver street to Broad street.
Gainsborough street, Huntington avenue to B. & P. R. R.
Harrison avenue, Bedford street to Essex street.
Harrison avenue, Eustis street to Warren street.
Kneeland street, Washington street to Atlantic avenue.
Lincoln street, Main street to Rutherford avenue.
Minot street, Leverett street to Lowell street.
Nashua street, Causeway street to Minot street.
Oneida street, Harrison avenue to Albany street.
P street, East Sixth street to Columbia road.
Roxbury street, Shawmut avenue to Kent street.
Seneca street, Harrison avenue to Albany street.
Silver street, A street to B street.
Silver street, E street 220 feet westerly.
Smith street, St. Alphonsus street to Phillips street.
Sudbury street, Court street to Haymarket square.
West Fourth street, E street 220 feet westerly.
West Newton street, Huntington avenue to Columbus avenue.

MISCELLANEOUS.

Plans have been prepared of the following assessment streets preliminary to construction :

Belgrade avenue, South street to Anawan avenue.
Causeway street, Beverly street to 142 feet northeasterly.
Dorchester street, West Eighth street to Dorchester avenue.
Hyde Park avenue, Walk Hill street to Ashland street.

Preliminary surveys have been made and plans prepared for repaving the following streets :

Battery street, Hanover street to Commercial street.
Beach street, Harrison avenue to Atlantic avenue.

Causeway street, Leverett street to Nashua street.
Essex street, Harrison avenue to Lincoln street.
Harrison avenue, Beach street to Kneeland street.
Massachusetts avenue, Southampton street to N. E. R. R. bridge.
Montgomery street, Clarendon street to Dartmouth street.
Norfolk avenue, East Cottage street to Marshfield street.
South street, Essex street to Kneeland street.
Southampton street, Massachusetts avenue to N. E. R. R. bridge.
Stoughton street, Columbia road to Pleasant street.
West Dedham street, Shawmut avenue to Tremont street.

GRADING STREET RAILWAY TRACKS.

Grades for tracks in the following streets have been determined and the necessary surveys made for determining the same:

BOSTON ELEVATED RAILWAY COMPANY.

Ashland street, West Roxbury, Washington street to near Harvard street.
Battery street, Hanover street to Commercial street.
Beach street, Harrison avenue to Atlantic avenue.
Belgrade avenue.
Beverly street, Causeway street to Warren bridge.
Blue Hill avenue, opposite Elmo street.
Blue Hill avenue, south of Talbot avenue.
Broad street, Wendell street to High street.
Cambridge street, Union square to Allston bridge.
Cambridge street, Allston bridge to North Harvard street.
Causeway street, Leverett street to Nashua street.
Centre street, West Roxbury, Beech street to Spring street.
Dorchester avenue, Crescent avenue to Belfort street.
Dorchester avenue, Savin Hill avenue to Roach street.
Dorchester avenue, Freeport street to Ellet street.
Dorchester avenue, Adams street to N. Y., N. H. & H. R.R.
Dorchester street, West Eighth street to Dorchester avenue.
Dover street, Washington street to Dover-street bridge.
East Sixth street, P street to Q street.
E street, West Seventh street to West Eighth street.
Harrison avenue, Hayward place to Essex street.
Harrison avenue, Beach street to Kneeland street.
Harrison avenue, Bennet street to Railroad bridge.
Harrison avenue, Dover street to Laconia street.
Harrison avenue, Savoy street to Union Park street.
Harrison avenue, Thorndike street to Warren street.
Heath street, at Huntington avenue.
Kneeland street, Washington street to Atlantic avenue.
Massachusetts avenue, Huntington avenue to Columbus avenue.
Mottapan square.

Northampton street, Tremont street to Columbus avenue.

River street, Dorchester, Blue Hill avenue to Pierce square.

Roxbury street, Shawmut avenue to Kent street.

South and Brandon streets, Washington street to Corinth street.

Spring street, West Roxbury, Centre street to Garden street.

Spring street, West Roxbury, under N. Y., N. H. & H. R.R. bridge.

Spring street, West Roxbury, Gardner street to Charles river.

State street, Congress street to Devonshire street.

Stoughton street, Columbia road to Pleasant street.

Sudbury street, Court street to Haymarket square.

Summer street, Dorchester avenue to N. Y., N. H. & H. R.R. bridge.

Washington street, Roxbury, Atherton street to School street.

Washington street, West Roxbury, Green street to the Arborway.

Washington street, West Roxbury, Kittridge street to Metropolitan avenue.

Total length of single track grades, 21.1 miles.

MISCELLANEOUS PLANS, SPECIFICATIONS, ETC.

Belgrade avenue, plan for rough grading the portion between Amherst street and Arden street.

Blundford street, plan and specification for concrete retaining wall, wooden fences, and bulkhead.

Bowdoin street, Dorchester, plan for widening easterly sidewalk between Mt. Ida road and Draper street.

Carleton street, plan and specifications for concrete retaining walls on easterly side of street, between Berwick park and West Newton street.

Causeway street, widening, grade for edgestone on northerly side from Beverly street, 142 feet easterly.

Dorchester street, at Cyrus Alger estate, plan and specification for retaining wall and fence.

Hale street, plan and specification for concrete retaining wall and wooden fence.

Hyde Park avenue, plan for rough grading the portion between Walk Hill street and Blakemore street.

P street, plan and specification for concrete retaining wall and wooden fence.

A plan was made for underdraining the sidewalk of N street, South Boston, adjoining Independence square.

A plan was made for building the retaining wall on the easterly side of London street, near Maverick street, East Boston.

Plans and specifications have been prepared for the construction of the following work:

Masonry abutments and steel superstructure for bridge at Harvard street, Dorchester, over the Midland Division of the N. Y., N. H. & H. R.R.

Masonry abutments and steel superstructure for bridge at Norfolk street, Dorchester, over the Midland Division of the N. Y., N. H. & H. R.R.

Masonry abutments for railroad bridge over Temple street, West Roxbury.

Widening the roadway on the water side of Atlantic avenue, between Rowe's wharf and Eastern avenue.

Timber bulkhead at Gateley's wharf, Albany street.

Plans and estimates have been made for the masonry abutments for a railroad bridge over Geneva avenue, Midland Division of the N. Y., N. H. & H. R.R.

A map of "Boston Proper" has been prepared, showing public alleys and private streets and alleys as far south as Massachusetts avenue.

Tables have been made to accompany the above map, giving the lengths, areas, conditions and estimated cost of paving said private streets and alleys.

Plans showing details of construction of streets and other structures have been made from time to time as required.

The Street Book, giving lengths and areas of pavements in accepted streets and public alleys, has been corrected to February 1, 1903, and is now being corrected to February 1, 1904.

MISCELLANEOUS WORK AND CONSTRUCTION IN 1903.

ATLANTIC-AVENUE EXTENSION BRIDGE.

The work of building Piers 4a, 4, 5, 6, 7 and 8, under the contract with W. H. Ellis, dated October 20, 1902, has been completed, with the exception of pointing the masonry, removal of one coffer dam and the restoration of the old wharf on the southerly side of the channel, where it was injured in doing the work. The amount paid to date under this contract is \$72,173.38.

Pier 4a is a small pier for supporting a cantilever arm which carries the end of the centre truss of the span over the tracks of the Old Colony and Midland Divisions of the New York, New Haven & Hartford Railroad. It is distant 14 feet 3 inches, centre to centre, from Pier 4. It was found impracticable to have the centre trusses of the two adjacent spans rest on the same pier at this point owing to the angle in the street and the necessity of allowing free space for laying the curves of the street railway tracks, on each side of the central trusses. This pier has a foundation of concrete 30 feet 6 inches long by 10 feet wide, from grade —4.50 to grade 0.50, resting on 60 piles which were driven to grade —35 and the tops left at grade —3. The two lower courses of the stone masonry are of large blocks, and are each 5 feet 6 inches wide and 2 feet high, their length being 25 and 21 feet respectively. Above this the pier is 17 feet long by 5 feet 2 inches on the bottom, battering 1 in 24 on the sides and 1 in 4 on the ends, and is capped by a bridge seat course 2 feet thick, 11 feet long and 5 feet wide, the top of which is at grade 20.50.

Pier 4 will support two trusses of one span and three of another, and has built into it an anchorage for the cantilever arm resting on Pier 4a. It has a concrete foundation 72 feet 6 inches long and 17 feet 6 inches wide from grade —12.50 to grade —1.50, resting on 251 piles which were driven to grades varying from —40 to —60, with their tops at grades —8.50 and —10.50. The bottom course of stone is 61 feet

by 10 feet by 2 feet; the pier above this 58 feet 6 inches by 7 feet 6 inches on the bottom, with a batter of 1 in 24, and capped by a bridge seat course 58 feet by 7 feet by 2 feet, with the top at grade 20.50. The anchorage before referred to consists of a frame of steel embedded in the concrete foundation, from which four 3-inch rods extend up through the stone masonry. Ballast was placed at one end, and between this pier and Pier 4a and the sea-wall, to the grade of the top of the concrete foundations.

Pier 5 has a concrete foundation 62 feet long and 18 feet wide from grade —22 to grade —1.50, resting on 228 piles which were driven to grades varying from —50 to —70, with the tops at grades —18 and —20. The bottom course of stone masonry is 54 feet by 10 feet by 2 feet; the pier above this 52 feet by 8 feet on the bottom, batters 1 in 12, and is capped by a bridge seat course 50 feet by 6 feet by 2 feet, with the top at grade 20.50. This pier will support one end of one fixed span and serve as a landing for the channel end of the draw span.

Pier 6 is to support the draw. It has a concrete foundation 50 feet long by 44 feet wide from grade —22 to grade 0, resting on 479 piles driven to grade —50, and with the tops at grades —18 and —20. On this foundation was built a pier in the form of a frustum of a cone, the bottom diameter being 40 feet and the top diameter 36 feet; this is also of concrete, except that there is a ring of cut granite around the outer edge of the top; this ring is 6 feet wide and 2 feet thick. The grade of the top of the pier is 16.

Pier 7 is of the same general character as the others, except that owing to the possibility that at some future time it may have to serve as a retaining wall for filling in the rear, the piles on the outer lines and the sheeting of the coffer dam were driven inclined to the vertical, thus making the concrete foundation at the bottom, or grade —15, 55 feet 4 inches by 17 feet, and at the top, or grade —1, 55 feet 4 inches by 13 feet 6 inches. The number of piles is 226, and they were driven to grade —40, and their tops left at grades —11 and —13. The bottom of the stone masonry is 51 feet 1½ inches by 9 feet 1½ inches. The stonework has a batter of 1 in 24, and the bridge seat course is 50 feet by 8 feet by 2 feet, with the top at grade 26.69. Ballast was placed in front of and around the ends of this pier to the grade of the top of the concrete.

Pier 8 has a concrete foundation 52 feet by 8 feet by 4 feet from grade 4 to grade 8, resting on 104 piles driven to grade —30, with their tops at grade 5. The bottom of the stone

masonry is 50 feet $1\frac{1}{2}$ inches by 6 feet $1\frac{1}{2}$ inches. The batter is 1 in 24, and the pier is capped by a bridge seat course 50 feet by 6 feet by 2 feet, with its top at grade 23.30. On the southerly side of the bridge seat a wall 2 feet thick and 50 feet long is carried up to grade 29.90 to support the short end span of the bridge.

All piles under the foundations of the several piers are of spruce. The concrete is of American Portland cement, sand and sea-washed gravel, mixed in the proportions of 1, 2 and 4. The concrete, except the upper foot in foundations and the circular part of pier 6, was deposited under water through a tube, the lower end of which was kept on the bottom, and the tube was not allowed to become empty, except when it was necessary to stop work. The remainder of the concrete was deposited when the work was free from water.

The stone masonry is of dimensioned granite laid in Portland cement mortar. The ashlar masonry is laid in Flemish bond.

In addition to the piers, new fender-guards with oak piling have been built on both sides of the channel.

Proposals were received on July 2, 1903, for furnishing and erecting the steel superstructure of this bridge, but as all of the proposals were informal they were rejected.

BROADWAY BRIDGE OVER FORT POINT CHANNEL.

Under the contract with Holbrook, Cabot & Rollins, dated August 28, 1902, the three remaining piers for this bridge have been built, with the exception of a small amount of pointing, filling and clearing up of the grounds. There has been paid under this contract \$36,862.24.

The work consisted of building three piers, one on the land and two in channel.

Pier 13 supports a steel trestle, and is built in three sections. The foundations are of concrete from grade 5 to grade 14, resting on piles driven to grade —30, and with the tops at grade 6. Above the concrete there are three courses of granite masonry. The concrete for the northerly section of the pier is 12 feet by 10 feet to grade 9, and then batters to a length of 8 feet 6 inches and a width of 6 feet at the top, and rests on 30 piles. For the middle section the concrete is 20 feet by 10 feet to grade 9, and 11 feet by 6 feet at the top, and rests on 50 piles. For the southerly section the concrete is 16 feet by 10 feet to grade 9, sloping to 9 feet 6 inches by 6 feet at the top, and rests on 40 piles. The lower course of stone is 4 feet wide and 2 feet high for

all sections, the length being 6 feet 6 inches for the northerly section and 7 feet for the middle and southerly sections.

The second course is 5 feet by 3 feet by 2 feet $1\frac{1}{2}$ inches, and the capstones 3 feet 6 inches by 3 feet by 2 feet $1\frac{1}{2}$ inches for all three sections. The grade of the top is 20.25.

The foundation of Pier 14 is 74 feet by 17 feet at the bottom, or grade —10, and is 74 feet by 16 feet 4 inches at the top, or grade —2. The channel face has a batter of 1 in 12, and three rows of piles on that side were driven at the same inclination, as the pier will be required to retain the filling behind it. The number of piles is 303, and they were driven to grade —40, the tops being at grades —6.50 and —8.50.

The concrete of Pier 16 extends from grade —20 to grade —2 and rests on 357 piles, 303 driven to grade —40 and 54 to about grade —70. The tops of the piles are at grades —16.5 and —18.5. The bottom of the concrete is 74 feet by 17 feet, except that a small corner is cut off where it comes near the draw channel. The sides batter 1 in 12, so that the top is 74 feet by 14 feet. The outer three rows of piles on each side are driven on the above inclination.

The stone masonry of both Piers 14 and 16 is of the same dimensions. The bottom is 69 feet 9 inches by 10 feet 1 inch. The ashlar has a batter of 1 in 12 to grade 29, above which is a bridge seat 2 feet high, 67 feet 3 inches long and 8 feet 6 inches wide. The ends of the stone masonry are pointed, the faces being on curves of a radius equal to the width of the pier.

The piles are all of spruce.

The concrete is of American Portland cement, sand and sea-washed gravel, mixed in the proportions of 1, 2 and 4. All except the upper foot in depth was deposited under water through a tube which was kept resting on the bottom and not allowed to become empty except when it was necessary to stop work. The upper foot in depth of concrete was deposited after the coffer dams were pumped out.

Ballast was deposited around Pier 14.

The stone masonry was of granite, and all except the bridge seat laid in Flemish bond. It was all laid in Portland cement mortar.

A low granite parapet was added to Pier 2, which is on the west line of Foundry street, and granite bearing blocks were placed on Piers 12 and 14.

The work of erecting the steel superstructure by the Boston Bridge Works, under its contract dated October 29, 1902, is nearly completed.

There has been paid under this contract \$23,150.05.

On July 14 a contract was made with the C. W. Leatherbee Lumber Company for furnishing the lumber required for the bridge. The lumber has been delivered, but final payment under the contract has not yet been made.

On October 7 a contract was made with Patrick McGovern for flooring the bridge. This work is now in progress.

On October 21 the proposal of the Rockport Granite Company for furnishing the paving blocks required was accepted, and a portion of the blocks have been delivered.

Under the proposal dated October 24 of P. J. Dinn & Co. the railings on the Boston end of the bridge have been completed at a cost of \$1,064.

In order that the New York, New Haven & Hartford Railroad Company might utilize the yard under the South Boston end of the bridge, that portion of the temporary foot-bridge which was east of the main tracks of the railroad was removed in December and a temporary plank walk was laid on the new bridge.

CHARLES RIVER BASIN IMPROVEMENT.

An estimate was made of the expenditure required by the city in the near future if this proposed improvement is carried out.

COLUMBIA ROAD.

Plans and specifications were prepared for building iron fences on the walls on Columbia road and Mt. Vernon street, adjoining the bridge over Shoreham street.

CONGRESS-STREET BRIDGE — WIDENING OF DRAW-WAY.

The Secretary of War having ordered the draw-way of Congress-street bridge to be widened from 43½ feet to 50 feet, it was deemed necessary to build a temporary bridge to accommodate the travel while Congress-street bridge would be closed for the work of widening; this bridge was located between Congress-street and Summer-street bridges, near the South Boston side of the waterway. A contract was made January 5, 1904, with W. H. Ellis & Co., to build the bridge, and work was commenced January 11, and is nearly completed; it is 341 feet long and 50 feet wide, having one 8-foot sidewalk.

DEER ISLAND STEAMBOAT WHARF.

As stated in the last annual report, a contract was made with Benjamin Young on January 20, 1903, for repairing this wharf. Nineteen new oak piles were driven to replace

old piles that were found eaten or decayed; almost all the old stringers were replaced by new ones, and the entire wharf, except under the building, was replanked with new 3-inch spruce plank. The work was completed early in June at a cost of \$4,654.26.

DUDLEY AND BIRD STREETS GRADE CROSSINGS.

Several additional studies, plans and estimates have been made for the abolishment of these crossings.

FREEPORT STREET AND OTHER GRADE CROSSINGS IN DORCHESTER.

A plan and estimate has been made for the abolishment of the grade crossing of the New York, New Haven & Hartford Railroad at Freeport street, and in connection with this problem that of abolishing several other grade crossings on the Old Colony Division of this railroad has been studied.

GALLOP'S ISLAND WHARF AND COAL SHED.

Plans and specifications were made at the request of the Health Department for repairing the wharf and coal shed at Gallop's Island. A contract was made July 15, with Lawler Bros., for doing the work, and it was practically completed October 24, at a cost of \$8,173.38; eighty-seven oak piles were driven, the piling was braced, 20,000 feet of hard pine caps and stringers were renewed, a drop was built in the wharf and is operated by the Winter patent drop apparatus, and the wharf was replanked; new sills and rods were put in the coal shed and the landing stage and runway were rebuilt.

LONG ISLAND WHARVES AND COAL SHED.

As mentioned in the last annual report, a contract was made January 19, 1903, with W. H. Ellis, for repairing and building an addition to the easterly wharf; the work was completed June 10 at a cost of \$8,052.40 for contract work. A drop worked by the Winter patent drop apparatus was also built by W. H. Ellis on the southerly side of the wharf at a cost of \$894.

March 25 a contract was made with Lawler Bros., to build a coal shed on this wharf covering the new addition and part of the old wharf; the shed is capable of holding 2,500 tons, and has two discharging platforms; work was

begun June 1 and coal was being discharged into it October 14; the work was completed October 23 at a cost of \$4,131.83.

Estimates and sketches have been made for repairing and for rebuilding the northwest wharf; during the fall eight piles were replaced in this wharf by Lawler Bros.

The above work was done for the Pauper Institutions Department.

OAKLAND STREET.

The work to be done by the city under the decree of the Superior Court abolishing the grade crossing on Oakland street was completed early in June, 1903, and the street for its full width opened to travel. The private ways leading into Oakland street affected by the abolition of the grade crossing on that street have also been surfaced at the new grade.

PARENTAL SCHOOL, WEST ROXBURY.

The work of installing a battery of two boilers for the Children's Institutions Department, which was under construction at the date of the last annual report, has been completed.

A contract for the second boiler was made with the Hodge Boiler Works, dated December 22, 1902, for the sum of \$1,272, and the foundations and settings for the two boilers were put in by John W. Durham & Co., under a contract dated October 31, 1902, for the sum of \$1,938. The piping for both boilers and the electric lighting plant was done by Lynch & Woodward under a contract dated February 16, 1903, for \$1,967. The entire work was completed in season to be used during the past winter.

RAINSFORD ISLAND WHARF.

Plans and specifications were made for the Children's Institutions Department for building an addition to the steamboat wharf, a coal shed on the addition and a drop in the old part of the wharf. A contract was made February 19, with Lawler Bros., for doing the work, which was begun April 13; July 9 the work was far enough advanced to permit coal being discharged into it, and July 18 the work was practically finished, but was not completed till October. The cost of the contract work was \$6,683.70. The old part of the wharf was in poor condition, and was later strengthened by substituting twenty-five new oak piles for others that were either rotten or badly eaten by the "limnoria."

VOTING BOOTHS.

Plans and specifications were made for building three wooden voting booths similar to those built in 1901. The Election Department, for whom the plans were drawn, made a contract with Calvin Lamont for building the booths, at a cost of \$837, which did not include painting and some other minor work.

MISCELLANEOUS.

An estimate was made of the cost of providing temporary accommodations for the public on Governor's Island.

An estimate was made of the cost of filling a portion of South Bay southerly of Southampton street.

An examination and report were made concerning the grading around the new buildings at Austin Farm.

An estimate was made of the cost of a public convenience station on the Common, near the junction of Tremont and Boylston streets.

Respectfully submitted,

WILLIAM JACKSON,

City Engineer.

CITY ENGINEERS.

1850-1903.

E. S. CHESBROUGH, M. Am. Soc. C. E.,
November 18, 1850, to October, 1855.
(Died August 18, 1886.)

JAMES SLADE,
October 1, 1855, to April 1, 1863.
(Died August 25, 1882.)

N. HENRY CRAFTS,
April 1, 1863, to November 25, 1872.

JOSEPH P. DAVIS, M. Am. Soc. C. E.,
November 25, 1872, to March 20, 1880.
(Resigned March 20, 1880.)

HENRY M. WIGHTMAN, M. Am. Soc. C. E.,
April 5, 1880, to April 3, 1885.
(Died April 3, 1885.)

WILLIAM JACKSON, M. Am. Soc. C. E.,
April 21, 1885, to the present time.

APPENDICES.

- APPENDIX A. — Table showing the widths of openings for vessels in all bridges provided with draws.
- APPENDIX B. — Table of accident and other plans made for the Law Department from February 1, 1903, to February 1, 1904.
- APPENDIX C. — Table of surveys, plans, and profiles made by the Surveying Division of the Engineering Department from February 1, 1903, to February 1, 1904.
- APPENDIX D. — List of streets where frontages have been obtained for the Sewer Division of the Street Department, for Sewer Assessments, from February 1, 1903, to February 1, 1904.
- APPENDIX E. — Engineering Department property schedule.
- APPENDIX F. — Elevations referred to Boston City base.
- APPENDIX G. — Engineering Department Annual Reports, 1867–1903.
- APPENDIX H. — Engineering Department, Revised Ordinances.
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APPENDIX A. — *Concluded.*

NAME OF BRIDGES.	LOCATION.	NUMBER OF OPENINGS.	WIDTH.	
			Feet.	In.
Fitchburg R.R.	Boston to Charlestown.	1	36	9
" " (for teaming freight)	"	1	36	9
Grand Junction R.R.	Brighton to Cambridge.	1	36	0
" "	East Boston to Chelsea.	1	49	0
Granite.	Dorchester to Milton.	1	36	0
Harvard	Boston to Cambridge.	2	36	6
" (Cambridge side)	"	38	10
L-st.	Over Reserved channel, South Boston.	1	39	8
Malden	Charlestown to Everett.	1	50	0
Meridian-st. (East Boston side)	East Boston to Chelsea.	2	59	2
" (Chelsea side)	"	59	0
Mt. Washington-ave. (Boston side)	Over Fort Point channel.	2	42	2
" " (South Boston side)*	"	50	0
Neponset	Dorchester to Quincy.	1	36	0
N. Y., N. H. & H. R.R.	Over Fort Point channel.	1	41	5
" " Y-connection	"	1	41	10
" " Old Colony Division	Dorchester to Quincy.	1	35	7
North Beacon-st.	Brighton to Watertown.	1	30	0
North Harvard-st.	Brighton to Cambridge.	1	36	0
Prison-point.	Charlestown to Cambridge.	1	35	10
Summer-st.	Over Fort Point channel.	1	50	0
Warren	Boston to Charlestown.	1	36	0
West Boston.	Boston to Cambridge.	1	36	0
Western-ave.	Brighton to Cambridge.	1	36	0
"	Brighton to Watertown.	1	35	10

* Widened from 43 feet 9 inches to 50 feet since January, 1904.

APPENDIX B.

TABLE OF ACCIDENT AND OTHER PLANS MADE FOR THE
LAW DEPARTMENT FROM FEBRUARY 1, 1903, TO FEBRU-
ARY 1, 1904.

BOSTON PROPER.

- Acton street.* Plan of street in front of No. 4.
Battery street. Plan of street in front of No. 44.
Beach street, corner Harrison avenue. Plan of street.
Bennet street, near Washington street. Plan of street.
Berkeley street. Plan of street in front of No. 200.
Berkeley street. Plan of street at Public alley No. 422.
Boylston street and St. Cecilia street. Plan of street.
Boylston street and Head place. Plan of street.
Cambridge street. Plan of street in front of No. 40.
Castle street, at Village street. Plan of street.
Causeway street. Plan of street in front of No. 294.
Charles street, at Public Garden. Plan of street.
Court street. Plan of street in front of Nos. 39 and 45.
Cross street. Plan of street in front of No. 6.
Dorchester avenue, at Mt. Washington avenue. Plan of street.
Dover street. Plan of street in front of No. 62.
East Canton street. Plan of street in front of No. 37.
Eliot street. Plan of street in front of No. 135.
Eliot street. Plan of street in front of No. 166.
Eliot street, near Carver street. Plan of street.
Emerald street. Plan of street in front of No. 28.
Harrison avenue. Plan of street in front of No. 242.
Huntington avenue, at Norway street. Plan of street.
Joy street. Plan of street in front of No. 24.
Massachusetts avenue. Plan of street in front of No. 447.
Massachusetts avenue. Plan of street in front of No. 527.
Milk street, opposite Hawley street. Plan of street.
North street. Plan of street in front of No. 251.
Oak street, between Albany and Hudson streets. Plan of street.
Prince street. Plan of street in front of No. 68.
Revere street. Plan of street in front of No. 53.
Rollins street. Plan of street in front of No. 79.
Scollay square. Plan of street at Subway Station.
Shawmut avenue, at West Canton street. Plan of street.
Sheafe street. Plan of street in front of No. 37.
Somerset street, at Beacon street. Plan of street.
Spring street. Plan of street in front of No. 31.

Staniford street. Plan of street in front of No. 34.
State street, near Kilby street. Plan of street.
Temple place. Plan of street. '
Tremont street. Plan of street in front of No. 23.
Tremont street. Plan of street in front of Nos. 31 and 33.
Tremont street. Plan of street in front of No. 47.
Tremont street. Plan of street in front of No. 350.
Tremont street, opposite Bromfield street. Plan of street.
Washington street. Plan of street in front of No. 42.
Washington street. Plan of street in front of No. 44.
Washington street. Plan of street in front of No. 207.
Washington street. Plan of street in front of No. 871.
Washington street. Plan of street in front of No. 872½.
Washington street, at Harvard place. Plan of street.
Washington street, at School street. Plan of street.
Washington street, at Eliot street. Plan of street.
West Brookline street. Plan of street in front of No. 102.
West Brookline street. Plan of street in front of No. 202.
West Springfield street. Plan of street at Dwight School.

SOUTH BOSTON.

A street. Plan of street in front of No. 200.
Humboldt place. Plan of street.
West Broadway. Plan of street in front of No. 122.
West Broadway. Plan of street in front of No. 145.
West Seventh street. Plan of street in front of No. 152.

EAST BOSTON.

Bennington street. Plan of street at Revere line.
Bennington street. Plan of street at Porter street.
Byron street. Plan of street at B., R. B. & L. R.R.
Chelsea street. Plan of street in front of No. 195.
Summer street. Plan of street in front of No. 137.

CHARLESTOWN.

Chapman street. Plan of street in front of No. 65.
Main street. Plan of street in front of No. 284.

ROXBURY.

Blue Hill avenue. Plan of street at Georgia street.
Cabot street. Plan of street at Linden Park street.
Centre street. Plan of street near Creighton street.
Columbus avenue. Plan of street at Prentiss street.
Columbus avenue. Plan of street in front of No. 1388.
Dennis street. Plan of street at Moreland street.
Fort avenue. Plan of street in front of No. 68.
Greenville street. Plan of street in front of No. 40.
Highland avenue. Plan of street near Centre street.
Linden Park street. Plan of street at Stony Brook.

Norfolk street. Plan of street at Blanchard street.
Pontiac street and vicinity.
Regent place. Plan of.
Tremont street. Plan of street in front of No. 1313.

DORCHESTER.

Arcadia street. Plan of street opposite Police Station No. 11.
Clayton street. Plan of street at Park street.
Columbia road. Plan of street in front of No. 690.
Quincy street. Plan of street in front of No. 288.
St. Margaret street. Plan of street in front of No. 8.
Stoughton street. Plan of street near Everett avenue.
Woolson street. Plan of street near Blue Hill avenue.

WEST ROXBURY.

Corinth street and vicinity.
Elm street. Plan of street at Seaverns avenue.
Rowe street and vicinity.
South street, near Woodman street. Plan of street.

BRIGHTON.

Beacon street, at Chestnut Hill. Plan of estates.
Hopedale street. Plan of street in front of No. 39.
Western avenue. Plan of street at Smith street.
Western avenue. Plan of street at North Harvard street.

APPENDIX C.

TABLE OF SURVEYS, PLANS AND PROFILES MADE BY THE
SURVEYING DIVISION OF THE ENGINEERING DEPART-
MENT FROM FEBRUARY 1, 1903, TO FEBRUARY 1, 1904.

CITY PROPER.

(North of Massachusetts avenue.)

- Albany street*, and Randolph street, north corner. Plan of land taken for playground.
- Albany street*, Oak street to Northampton street. Plan and profile for proposed grade.
- Beacon street*, at Spruce street. Plan and profile for proposed grade.
- Blayden street*. Plan and profile for revised grade.
- Boylston street*, easterly side, Massachusetts avenue to railroad, Plan and profile for revised grade.
- Causeway street*, northwesterly side, Beverly street to Charlestown bridge. Plan of proposed widening.
- Causeway street*, northwesterly side, Beverly street to Charlestown bridge. Plan for assessment.
- Causeway street*, corner Canal street. Plan of fruit stand.
- Chatham street*. Plan and profile for proposed grade.
- Corn court*. Plan of Hancock Tavern estate.
- Cross street*, Haymarket square to Endicott street. Plan and profile for proposed grade.
- Curve street*, Albany street to Broadway. Plan and profile for revised grade.
- Fayette street*, northerly corner Ferdinand street. Plan and profile for revised grade.
- Ferdinand street*, northerly corner Fayette street. Plan and profile for revised grade.
- Fleet street*. Plan and profile for proposed grade.
- Greenough lane*. Plan and profile for revised grade.
- Harrison avenue*, No. 138 to Broadway. Plan and profile for proposed grade.
- Harrison avenue*, at Waltham street, to Union Park street. Plan and profile for proposed grade.
- Harrison avenue*, northerly corner East Concord street. Plan and profile for proposed grade.
- Hereford street*, northeasterly corner Boylston street. Plan and profile for revised grade.

- James street*, East Brookline street to East Concord street. Plan and profile for proposed grade.
- Lindall place*, Cambridge street to Phillips street. Plan and profile for laying out and established grade.
- Lyman street*. Plan and profile for proposed grade.
- Marsh lane*. Plan showing edgestones, etc.
- Massachusetts avenue*. Easterly side, Boylston street to Belvidere street. Plan and profile for revised grade.
- North Margin street*. Plan and profile for proposed grade.
- Pembroke street*, Tremont street to Warren avenue. Plan and profile for proposed grade.
- Phillips street*, Grove street to West Cedar street. Plan and profile of edgestone for proposed grade.
- Prospect street*. Plan and profile for proposed grade.
- Public alley No. 443*, Hereford street to hollow. Plan and profile for revised grade.
- Richmond street*, Hanover street to Commercial street. Plan and profile for revised grade.
- Ridgeway lane*. Plan and profile for proposed grade.
- Scotia street*, southerly corner Dalton street. Plan of lot taken for addition to school.
- Spring street*, Allen street to Poplar street. Plan and profile for proposed grade.
- State street*, southerly side, Broad street to Kilby street. Plan and profile for established grade.
- Thacher street*, North Margin street to Cooper street. Plan and profile for proposed grade.
- Union Park street*, Washington street to Harrison avenue. Plan and profile for widening and established grade.
- Washington street*, Herald building to Williams court. Plan and profile for proposed grade.
- Washington street*, easterly corner Milk street. Plan and profile for proposed widening at Old South Church.
- Washington street and Milk street*. Enlarged plan made from plan made by Thomas Dawes in 1770.
- Washington street*, easterly side, Waltham street to Union Park street. Plan and profile for proposed grade.
- West Concord street*, Shawmut avenue to Tremont street. Plan and profile for proposed grade.
- West Dedham street*, Shawmut avenue to Washington street. Plan and profile for proposed grade.

SOUTH BOSTON.

- Division street*, between Foundry street and Dorchester avenue. Plan for sidewalk assessment.
- Dorchester street*, between East Broadway and East Eighth street. Plan showing existing street.
- East Seventh street and East Eighth street*. Plan of land proposed to be taken for school purposes, near O street.
- East Sixth street*, between P street and Q street. Plan and profile showing proposed revised grade.

- East Third street*, between O street and P street. Plan for sidewalk assessment.
- H street*, between East Second street and No. 46. Plan for sidewalk assessment.
- Middle street*, westerly side, near Dorchester street. Plan of proposed addition to Ticknor school lot.
- Newman street*, between Dorchester street and Champney street. Plan and profile showing proposed revised grade.
- Story street*, between G street and H street. Plan for sidewalk assessment.
- Summer street*, between A street and railroad bridge. Plan and profile for proposed revised grade.

EAST BOSTON.

(Including Breed's Island.)

- Bennington street*, Moore street to Swift street. Plan and profile for revised grade.
- Boardman street*, Ford street to Cosmos street. Plan showing estates for assessment.
- Bremen street*, Marion street to Porter street. Profile showing revised grade.
- Bremen street*, Marion street to Brooks street. Profile showing revised grade.
- Chelsea street*, Old Paving Yard plan, brought to date.
- Condor street*, Brooks street to Glendon street. Profile showing revised grade.
- Cottage street*, Maverick street to Gove street. Plan and profile showing laying out and established grade.
- Frankfort street*, Maverick street to Gove street. Plan and profile showing laying out and established grade.
- Lamson street*, Sumner street to Maverick street. Profile showing revised grade.
- Lubec street*, Maverick street to Playground. Plan and profile showing laying out and established grade.
- Marion street*, Paris street to Morris street. Plan of land taken for school purposes.
- Orleans street*, Maverick street to Sumner street. Profile showing revised grade.
- Saratoga street*, Bennington street to Boston, Revere Beach & Lynn Railroad. Profile showing revised grade.

BOSTON HARBOR.

- Deer Island*. Plan showing levels on site of new boiler-house.

CHARLESTOWN.

- Adams street*, between Chestnut street and Common street. Plan showing estates for assessment.
- Austin street*, between Lawrence street and Washington street. Plan showing estates for assessment.

- Baldwin street*, Main street to Rutherford avenue. Profile of curb for proposed grade.
- Bow street*, between City square and Washington street. Plan showing estates for assessment.
- Charlestown High School*. Plan showing grade for addition to school lot.
- Chelsea street*, between Prospect street and No. 29, northerly side. Profile for revised grade.
- Cook street*, between Bunker Hill street and Medford street. Profile of curb for proposed grade.
- Devens street*, between Washington street and Rutherford avenue. Plan showing estates for assessment.
- Deater street*, between Alford street and Everett boundary line. Plan and profile showing laying out and established grade.
- Eden street*, between Main street and Russell street. Profile of curb for proposed grade.
- Franklin street*, between Main street and High street. Profile of curb for proposed grade.
- Hamblen street*, between Arlington avenue and George street. Plan showing estates for assessment.
- Lawrence street extension*, between Phipps street and Stacey street. Plan and profile showing laying out and established grade.
- Mead street*, between Russell street and Bunker Hill street. Plan showing estates for assessments.
- Parker street*, between Perkins street and Cambridge street. Profile for proposed grade.
- Prospect street*, between Chelsea street and No. 12, westerly side. Profile for proposed grade.
- Roland street*, between Boston & Maine Railroad and Somerville boundary line. Plan showing estates for assessment.
- Russell street*, between Sullivan street and Pearl street. Profile of curb for proposed grade.
- Rutherford avenue*, between Chapman street and Devens street. Plan showing estates for assessment.
- Union street*, between Rutherford avenue and Washington street. Profile of curb for proposed grade.

ROXBURY.

(South of Massachusetts avenue.)

- Belleue street*, at Park street. Plan and profile for proposed grade.
- Bickford street*, Centre street to Bromley park. Plan for sidewalk assessment.
- Chisholm park*, off Warren street. Plan and profile for laying out and established grade.
- Clifton street*, Shirley street to Burrill street. Plan and profile for revised grade.
- Dale street*, easterly corner Regent street. Plan and profile for proposed grade.

- Gardner street*, Roxbury street to Centre street. Plan and profile for proposed grade.
- Gay Head street*, Centre street to Minden street. Plan for sidewalk assessment.
- Harrison avenue*, No. 935 to 947. Plan showing elevation of buildings.
- Harrison avenue*, Thorndike street to Eustis street. Plan and profile for proposed grade.
- Haviland street*, southerly side, Turner street to Hemenway street. Plan for sidewalk assessment.
- Highland street*, Cedar street to Marcella street. Plan and profile for proposed grade.
- Homestead street*, Humboldt avenue to Elm Hill avenue. Plan and profile for laying out and established grade.
- Homestead street*, Walnut avenue to Humboldt avenue. Plan for sidewalk assessment.
- Howard street*, Hampden street to Gerard street. Plan and profile for revised grade.
- Hunneman street*, easterly corner Washington street. Plan and profile for revised grade.
- Hunneman street*, Washington street to Albany street. Plan for sidewalk assessment.
- Island street*, Massachusetts avenue to Magazine street. Plan and profile for laying out and established grade.
- Kensington street*, northeasterly side, Kingsbury street to Elmore street. Plan for sidewalk assessment.
- Marcella street*, Washington street to Ritchie street. Plan for sidewalk assessment.
- Marcella street*, between Highland street and Ritchie street. Plan of Marcella-street Home.
- Newbury street*, No. 329 to 355. Plan for sidewalk assessment.
- Norfolk avenue*, Hampden street to Gerard street. Plan and profile for proposed grade.
- Norfolk avenue and Clayton place*. Plan of land taken for school purposes.
- Parker Hill*, Parker Hill avenue to Colburn street. Plan showing top of bank.
- Parker Hill avenue*, Huntington avenue to bend. Plan for sidewalk assessment.
- Regent street*, at Dale street. Plan and profile for proposed grade.
- Ruggles street*, Halleck street to Parker street. Plan for sidewalk assessment.
- Thorndike street*, No. 15 to 39. Plan showing elevation of buildings.
- Tremont street*, northwesterly side, Camden street to car house. Plan and profile for proposed grade.
- Warren street*, *Regent street* and *St. James street*. Plan of Park at junction, showing sidewalks and proposed grade.
- Washington street*, Elmore street to Townsend street. Plan and profile for proposed grade.

- Westland avenue*, Massachusetts avenue to Hemenway street. Plan for sidewalk assessment.
- Whittier street*, Tremont street to Columbus avenue. Plan and profile for revised grade, also plan for sidewalk assessment.
- Worthington street*, Longwood avenue to Fenway. Plan showing estates to be assessed.

DORCHESTER.

- Adams street*, at Meeting House Hill. Profile to fix grade.
- Almont street*, Blue Hill avenue to Walk Hill street. Plan and profile for laying out and established grade.
- Ashmont street*, at Ashmont park. Plan showing location of curb and trees.
- Athelwold street*, Kilton street to Millet street. Plan and profile for revising grade.
- Charles street*, Dorchester avenue to Geneva avenue. Plan for sidewalk assessment.
- Dacia street*, Dewey street to Ingleside street. Plan for sidewalk assessment.
- Elmo street*, at Erie street and Washington street. Plan for relocation.
- Elmo street*, Erie street to Greenwood street. Plan for sidewalk assessment.
- Freeport street*, Mill street to Union street. Plan and profile for relocation.
- Freeport street and Tenean street*, at northeast corner. Plan of proposed city lot.
- Harvard street*, at railroad bridge. Plan and profile for relocation.
- Head street*, at Westville street. Plan of school lot.
- Kilton street*, Harvard street to Park street. Additions to plan and profile for laying out and established grade.
- Mt. Boardoin terrace*, Bullard street to Eldon street. Plan and profile for laying out and established grade.
- Norfolk street*, at railroad bridge. Plan and profile for relocation.
- Norwood street*, Freeport street to Walnut street. Plan and profile for laying out and established grade.
- Oakland street*, at southwest corner of Rockdale street. Plan showing estates for assessment.
- Oakland street*, at southwest corner of Rockdale street. Plan and profile for relocation.
- Pierce avenue*, Neponset avenue to Plain street. Plan and profile for proposed extension.
- Rockdale street*, Savin Hill avenue to Springdale street. Plan and profile for laying out and established grade.
- Sampson street*, Adams street to Newhall street. Plan and profile for laying out and established grade.
- Southern avenue*, near Darling street. Plan for school lot.
- Tenean street*, east side. Plan of proposed city lot.

- Van Winkle street*, at Shawmut Branch Railroad. Plan for proposed crossing.
- Westwood street*, Geneva avenue to Richfield street. Plan and profile for laying out and established grade.
- Wheatland avenue*, Kilton street to Washington street. Plan for sidewalk assessment.

WEST ROXBURY.

- Angell street*, from Blue Hill avenue to Canterbury street. Plan showing estates for assessment.
- Ashland street*, from Brown avenue, northwesterly. Plan and profile to fix grade.
- Brown avenue*, between Seymour street and Ashland street. Plan and profile to fix grade.
- Brookfield street*, from South street to South Fairview street. Plan and profile showing revised grade as decreed by the Superior Court.
- Canterbury street*, plan of land purchased for addition to Mt. Hope Cemetery.
- Central street*, from Centre street to the railroad. Plan and profile for laying out and established grade.
- Centre street*, westerly corner of Hastings street. Plan of land belonging to the City of Boston.
- Centre street*, at May street. Plan showing estates for assessment.
- Harvard street*, at Austin Farm. Studies made for grading about new buildings.
- Jordan street*, from Lagrange street to Dent street. Plan and profile showing revised grade as decreed by the Superior Court.
- La Grange street*, from Centre street to Pleasant street. Plan and profile showing revised grade as decreed by the Superior Court.
- Lochstead avenue*, from Centre street to Jamaica way. Plan and profile for laying out and established grade.
- Perkins street*, from Day street to Jamaica way. Plan showing estates for assessment.
- Pond street*, from May street to Arborway. Plan and profile showing edgestone.
- Powell street*, from Summer street to Cass street. Plan and profile showing revised grade as decreed by the Superior Court.
- Robert street*, from Brandon street to South street. Plan and profile for laying out as decreed by the Superior Court.
- Robinwood avenue*, from Centre street to Rockview street. Plan showing estates for assessment.
- South street*, footway at Roslindale Station. Plan showing estate for assessment.
- South Conway street*, from South street to Robert street. Plan and profile for laying out and established grade as decreed by the Superior Court.

- South Fairview street*, from South street to South Walter street. Plan and profile showing revised grade as decreed by the Superior Court.
- South Walter street*, from South street to South Fairview street. Plan and profile showing revised grade as decreed by the Superior Court.
- Spring street*, from Centre street to Gardner street. Plan showing estates for assessment.
- Summer street*, at Powell street. Plan and profile showing revised grade as decreed by the Superior Court.
- Walk Hill street*, from Morton street to Washington street. Plan showing estates for assessment.
- Walter street*, from Centre street to South street. Plan showing estates for assessment.
- Williams street*, from Washington street to Call street. Plan showing estates for assessment.

BRIGHTON.

- Brackett street*, from Washington street to Faneuil street. Plan showing estates for assessment.
- Brooks street*, extension from Holton street to North Beacon street. Plans showing estates for assessment.
- Cambridge street*, southerly side, between Charles river and the Boston & Albany Railroad. Plan for sidewalk assessment.
- Chester street*, from Brighton avenue to Gardner street. Plan for sidewalk assessment.
- Eleanor street*, from Cambridge street to Ridgemont street. Plan for sidewalk assessment.
- Essex street*, from Commonwealth avenue to the Cambridge line. Plan and profile for construction.
- Franklin street*, from Cambridge street to Lincoln street. Plan and profile for relocation and established grade.
- Gordon street*, westerly side, between Cambridge street and Pomeroy street. Plan for sidewalk assessment.
- North Harvard street*, at Soldiers' Field. Plan showing proposed exchange of land between Harvard College and the City of Boston.
- Ridgemont street*, entire street. Plan for sidewalk assessment.
- Snow street*, from Washington street to Union street. Plan showing estates for assessment.
- Surrey street*, extension to Oakland street. Plan and profile for proposed laying out and established grade.

APPENDIX D.

LIST OF STREETS WHERE ESTATE MEASUREMENTS HAVE BEEN OBTAINED FOR THE SEWER DIVISION OF THE STREET DEPARTMENT FOR SEWER ASSESSMENTS, FROM FEBRUARY 1, 1903, TO FEBRUARY 1, 1904.

BOSTON PROPER.

(North of Massachusetts avenue.)

Albion street. Dover street to Compton street.
Brighton street. Chambers street to Milton street.
Fleet street. North street to Commercial street.
Hale street. Old part.
Hale street. Extension to South Margin street.
Norman street. From Green street, 100 feet north.
North street. Fleet street to Clark street.
Passageway. East from Exeter street, between Boylston street and Blagden street.
Passageway. Between Wellington street and Massachusetts avenue.
South street. Kneeland street to Beach street.
Tyler street. Kneeland street to Beach street.

SOUTH BOSTON.

Atlantic street. Between East Eighth street and Columbia road.
F street. Between West First street and West Second street.
Q street. Between East Third street and East Broadway.
Swallow street. Between N street and O street.
Vicksburg street. Between East First street and East second street.

EAST BOSTON.

Butler avenue. Saratoga street to Faxon street.
Chelsea street. One hundred feet east and west of Glendon place.
Orient avenue. Walley street to Cosmos street.
Wordsworth street. Bennington street to Boston, Revere Beach & Lynn Railroad.

CHARLESTOWN.

- Alford street.* Mystic river to Everett boundary line.
Concord street. Monument street to No. 25.
Dorrance street. Mystic street to Arlington avenue.
Healey street. Chelsea street to Navy Yard.
Roland street. Boston & Maine Railroad to Somerville boundary line.
Russell street. Auburn street to Oak street.

ROXBURY.

(South of Massachusetts avenue.)

- Blundford street.* Commonwealth avenue to Boston & Albany Railroad.
Copeland street. Warren street to Moreland street.
Cummington street. Blandford street to Lawton street.
Davenport street. Columbus avenue to Tremont street.
Dilworth street. Camden street to Northampton street.
Dunreath street. Warren street to Aspen street.
Fisher avenue. Hayden street to Bucknam street.
Gainsborough street. St. Botolph street to New York, New Haven & Hartford Railroad.
Halleck street. Caldwell street to Prentiss street.
Pickering avenue. Off Walnut avenue.
Washington place. Off Roxbury street.

DORCHESTER.

- Adams street.* Dorchester avenue to Medway street.
Ashmont street. Adams street to Dorchester avenue.
Astoria street. From Tileston street 500 feet west.
Ballou avenue. From Mascot street 400 feet east.
Barnes street. Dorchester avenue to Shawmut Branch Railroad.
Blanche street. Greenhill street to Preston street.
Bloomington street. Stockmeath street to Tolman street.
Bullard street. Bowdoin avenue to Rosseter street.
Charlotte street. Blue Hill avenue to Bradshaw street.
Chickataubut street. Glide street to Neponset avenue.
Claybourne street. Dakota street to Tonawanda street.
Cottage terrace. East Cottage street to Marshfield street.
Elder street. Columbia road to Humphreys street.
Elmont street. Faxon street to Waterlow street.
Florida street. Ashmont street to Templeton street.
For street. Adams street to Percival street.
Genera avenue. From Blue Hill avenue 500 feet east.
Greenhulge street. Columbia road to Roseclair street.
Gustin street. From Rosemont street 300 feet south.
Hamilton street. Columbia road to Mt. Everett street.
Harvard street. Blue Hill avenue to Vaughan street.
Johnston road. From Blue Hill avenue west.

Kineo street. Magnolia street to Mascoma street.
Marshfield street. Cottage terrace to Norfolk avenue.
Mascoma street. Lawrence avenue to Quincy street.
Mattapan street. Almont street to Blue Hill avenue.
Millet street. Athelwold street to Harvard street.
Minot place. From Minot street.
Monson street. Sturbridge street to Temple street.
Morton street. River street to Sanford street.
Northam Park. Dorchester avenue to Shawmut Branch Railroad.
Oak avenue. Adams street to Plain street.
Oak terrace. Birch street to Lyons street.
Oakland street. River street to Rockville street.
Park street. Beach street to Freeport street.
Rich street. Delhi street to West Selden street.
River street. Idaho street to Washington street.
Rockdale street. From Oakland street.
Rockville street. From Blue Hill avenue.
Roseclair street. Boston street to Dorchester avenue.
Ruggles place and vicinity.
Sheridan street. From Minot street.
Stanwood street. From Columbia road.
Stockmeath street. Bloomington street to Eaton street.
St. Margaret street. Boston street to Roseclair street.
Stratton street. From Blue Hill avenue.
Temple street. Monson street to River street.
Tileston avenue. Blue Hill avenue to Mattapan street.
Wales place. Geneva avenue to Westwood street.
Washington court. From Minot street.
Wayland street. Dacia street to Howard avenue.
Woodlawn avenue. Delhi street to West Selden street.

WEST ROXBURY.

Aldrich street. From Belgrade avenue to Beech street.
Augustus avenue. From Whitford street, southerly.
Bellevue avenue. From Cedar avenue to Washington street.
Centre street. From Hewlett street to Centre street.
Cleaves street. From School street to Columbus avenue.
Knoll street. From Selwyn street, northerly.
Powell street. From Summer street to Cass street.
Whitford street. From Augustus avenue to Kittredge street.

BRIGHTON.

Dighton place. Entire street.
Summit avenue. From Commonwealth avenue to Allston street.

APPENDIX E.

ENGINEERING DEPARTMENT PROPERTY SCHEDULE, MAIN OFFICE.

1 horse.	13,896 plans engineering works,
2 carriages.	loose.
1 sleigh.	14 volumes plans engineering
2 harnesses.	works, bound.
3 robes.	Photographs of engineering
Instruments for drawing.	works.
Instruments for surveying, as fol	1 microscope.
lows:	1 mercurial barometer.
2 Temple transits.	1 aneroid barometer.
7 Buff & Berger transits.	1 holosteric barometer.
1 Berger & Sons transit.	1 set hydrometers.
1 P. & R. Wittstock transit.	1 hygrometer.
8 Gurley transits.	1 pair field glasses.
1 Keuffel & Esser level.	3 typewriters.
2 Temple levels.	2 dynamometers.
4 Buff & Berger levels.	1 pantagraph.
7 Gurley levels.	3 calculating machines.
13 Boston rods.	1 volt meter.
4 New York rods.	1 comptometer.
10 Troy rods.	2 thermophones.
4 Philadelphia rods.	2 cameras.
Apparatus for blue printing.	1 planimeter.
Cases for plans and books.	1 Bourdon pressure gauge.
Reference library, 1,407 volumes.	1 Burroughs arithmometer.

SURVEYING DIVISION.

2 Temple transits.	1 Moody level.
1 Moody transit.	18 Boston rods.
4 Buff & Berger transits.	7 pipe rods.
2 Berger & Sons transits.	32,924 plans.
1 Buff & Buff transit.	3,806 lithographed maps.
1 Stackpole transit.	1 pantagraph.
1 Troughton & Sims transit.	3 planimeters.
1 P. & R. Wittstock transit.	1 Federal blue printing machine,
7 Buff & Berger levels.	No. 10.

APPENDIX F.

Elevations referred to Boston City base. *(The City base is 0.64 feet below mean low tide.)

Feet.	
0.00	City base.
15.66	Highest tide, April 16, 1851.
15.45	Coping old dry dock, Charlestown Navy Yard, at left of entrance.
15.11	Coping old dry dock, Charlestown Navy Yard, new bench, over crowfoot.
12.24	Greatest elevation of high tide, per United States Tide Tables, January 14, 15, 1903 ($11.6 + 0.64$) = 12.24.
8.54	Least elevation of high tide, per United States Tide Tables, February 21, 22, March 22, 1903 ($7.9 + 0.64$) = 8.54.
2.34	Greatest elevation of low tide, per United States Tide Tables, April 21, 1903 ($1.7 + 0.64$) = 2.34.
—1.46	Least elevation of low tide, per United States Tide Tables, January 14, 15, 1903 ($-2.1 + 0.64$) = —1.46.
*0.64	Mean low tide.
5.00	Piles cut off for building.
10.00	Water works base (approximate tide-marsh level).
—4.98	Cambridge City base.
0.38	South Boston flats base.
9.82	South Boston base, formerly in use, but now abandoned.
—100.00	Metropolitan Sewerage base.
—100.00	Charles River Dam Commission base.
0.64	Somerville City base.
0.60	Harbor and Land Commission base.
	Brookline, Newton, Waltham and Watertown use the Boston City base. The Metropolitan Park and Water Commissions also use the Boston City base.

*Mean low water January, 1903. Computed from tidal observations taken during the year 1902, at the Charlestown Navy Yard, is 0.79 feet above Boston City base. John R. Freeman in Report on Charles River Dam, 1903, page 570.

Navy Yard base above Boston base is	0.58
Mean High Water above Boston base	10.63
Mean Low Water above Boston base	0.79
Mean range of tide	9.84
Mean Sea Level above Boston base	5.71

Definition of Boston City base: Boston City base is a datum plane 15 feet above the average height of the sill of the Charlestown Dry Dock. (Page 552.)

The following tidal records may be of interest:

High Tides.

Fect.	Date.	Where Taken.	By Whom.
14.12	Jan. 23, 1898	Mt. Washington-avenue bridge.....	A. B. Corthell.
15.20	Nov. 27, 1898	Neponset bridge, Dorchester.....	Joseph Dolan
15.11	Nov. 27, 1898	Commercial Point, Dorchester.....	B. K. Berg.
15.27	Nov. 27, 1898	Fox Point, Dorchester.....	H. E. Stevens.
15.00	Nov. 27, 1898	Fort Point channel R.R. bridge.....	L. B. Bidwell.
14.97	Nov. 27, 1898	Mt. Washington-avenue bridge.....	A. B. Corthell.
14.98	Nov. 27, 1898	Long wharf.....	H. W. Johnson.
14.71	Nov. 27, 1898	Sargent's wharf.....	W. A. Rogers.
14.75	Nov. 27, 1898	South Ferry, East Boston.....	Gateman.
14.92	Nov. 27, 1898	Jeffery's Point, East Boston.....	A. A. Martin.
15.00	Nov. 27, 1898	Deer Island, Met. sewer station.....	J. B. Black.
14.77	Nov. 27, 1898	Charles-river bridge.....	M. G. Woodward.
14.94	Nov. 27, 1898	Warren bridge.....	Drawtender.
14.75	Nov. 27, 1898	West Boston bridge.....	M. F. Corkery.
14.74	Nov. 27, 1898	Essex-street bridge.....	Howard Burgess.
15.04	Nov. 27, 1898	North Harvard-street bridge.....	W. T. Pierce.
13.72	Nov. 8, 1900	Malden bridge.....	F. P. Spalding.
13.95	May 20, 1901	Malden bridge.....	F. P. Spalding.
14.14	Nov. 25, 1901	Savin Hill, Dorchester.....	M. Edmonds.
14.40	Nov. 25, 1901	Mt. Washington-avenue bridge.....	R. G. Baker.
14.25	Nov. 25, 1901	Summer-street bridge.....	T. H. Sexton.
14.16	Nov. 25, 1901	South Ferry, City Proper.....	J. H. Edmonds.
14.17	Nov. 25, 1901	South Ferry, East Boston.....	J. H. Edmonds.
14.17	Nov. 25, 1901	Jeffrey's Point, East Boston.....	W. F. Ryder.
14.10	Nov. 25, 1901	Deer Island, Met. sewer station.....	Self-recording gage.
14.11	Nov. 25, 1901	North Ferry, East Boston.....	J. H. Edmonds.
14.21	Nov. 25, 1901	North Ferry, City Proper.....	F. P. Spalding.
14.23	Nov. 25, 1901	Malden bridge.....	H. H. McNeelin.
13.60	Dec. 14, 1902	North Ferry, City Proper.....	J. H. Edmonds.
13.00	Feb. 17, 1903	North Ferry, City Proper.....	J. H. Edmonds.
13.40	Jan. 14, 1904	North Ferry, City Proper.....	J. H. Edmonds.

Low Tides.

5.60	Nov. 27, 1898	Deer Island, Met. sewer station.....	Self-recording gage.
-2.94	Feb. 3, 1900	South Boston station, Edison Electric..	D. A. Harrington.
-2.80	Feb. 3, 1900	Deer Island.....	Self-recording gage.

APPENDIX G.

ENGINEERING DEPARTMENT ANNUAL REPORTS, 1867-1903.

No. of Reports.	For the Year.	Year Published and No. City Document.	No. of Reports.	For the Year.	Year Published and No. City Document.
First.....	*1867	1868 — 22	Special report.....	1888	1888 — 117
Second and Third.....	1868-69	1870 — 14	Twenty-second.....	1888	1889 — 38
Fourth.....	1870	1871 — 15	Twenty-third.....	1889	1890 — 39
Fifth and Sixth.....	*1871-72	1873 — 23	Twenty-fourth.....	*1890	Executive Department Report, Document 1, Part 1. 1891.
Seventh.....	*1873	1874 — 20			
Eighth.....	1874	1875 — 19			
Ninth.....	1875	1876 — 24	Twenty-fifth.....	1891	1892 — 11
Tenth.....	*1876	1877 — 15	Twenty-sixth.....	1892	1893 — 10
Eleventh.....	*1877	1878 — 20	Twenty-seventh.....	1893	1894 — 10
Twelfth.....	*1878	1879 — 22	Twenty-eighth.....	1894	1895 — 10
Thirteenth.....	*1879	1880 — 33	Twenty-ninth.....	1895	1896 — 10
Fourteenth.....	*1880	1881 — 25	Thirtieth.....	1896	1897 — 10
Fifteenth.....	1881	1882 — 52	Thirty-first.....	1897	1898 — 12
Sixteenth.....	1882	1883 — 53	Thirty-second.....	1898	1899 — 12
Seventeenth.....	*1883	1884 — 55	Thirty-third.....	1899	1900 — 14
Eighteenth.....	*1884	1885 — 54	Thirty-fourth.....	1900	1901 — 14
Nineteenth.....	*1885	1886 — 41	Thirty-fifth.....	1901	1902 — 15
Twentieth.....	*1886	1887 — 38	Thirty-sixth.....	1902	1903 — 15
Twenty-first.....	*1887	1888 — 39	Thirty-seventh.....	1903	1904 — 15

*Out of print.

APPENDIX H.

(REVISED ORDINANCES, 1898, CHAPTER 16.) ENGINEERING
DEPARTMENT.

SECTION 1. The Engineering Department shall be under the charge of the City Engineer, who shall be consulted on all matters relating to public improvements of every kind in respect to which the advice of a civil engineer or architect would be of service; shall, unless otherwise specifically provided, take charge of the construction of all public works of the city which properly come under the direction of a civil engineer; shall make such surveys, plans, estimates, statements, and descriptions, and take such levels and prepare such specifications and contracts as the mayor, the board of aldermen, the common council, any committee of the city council or of either branch thereof, the board of street commissioners, or any officer in charge of a department, may need in the discharge of its duties; shall, upon being notified by the superintendent of streets, supervise all repairs on the bridges of the city used as highways which affect the safety of the structures, and shall, when required by the mayor or any officer in charge of a department, measure the work done by contract for the city, and certify to the results of such measurement. Said engineer shall have the custody of all surveys and plans relating to the laying out, locating anew, altering, widening and grading of streets; and his office shall be deemed to be the office of the surveyor of highways.

SECT. 2. Said engineer shall, in his annual report, include a report upon the safety and completeness of all ponds, basins and reservoirs under the charge of the water department, and of all bridges within the city limits used as highways.

(Stat. 1870, Chap. 337 — Stat. 1895, Chap. 449, par. 21.)

APPENDIX I.

MERIDIAN LINE.

In 1870 an act was passed by the Massachusetts Legislature requiring each land surveyor in the State at least once in every year to adjust and verify his compass by the meridian line established in the county wherein his surveys were to be made.

A meridian was marked by stone monuments and a book of record kept by a custodian designated by the County Commissioners.

The law compelling surveyors to test their compasses annually was modified in 1875, so that surveyors who did not use the compass in turning angles were relieved from the penalty attaching to the violation of the original act.

The meridian posts for the County of Suffolk were placed on the southerly portion of the "Parade Ground," on Boston Common. They are granite posts, three in number, placed 200 feet apart, are eighteen inches square at the base, one foot square at the top, and eight feet long, being firmly set in a bed of concrete with their tops originally just below the surface of the ground.

A stone curb was placed even with the surface of the ground over the top of each post, with a metallic composition cover.

The surface of that part of the Common where the posts are set was raised several feet in 1897, the posts being protected by building a brick manhole around each stone, the posts being accessible by the removal of the manhole cover.

As the cover and cap of the manholes are made of iron, it is now necessary to set up the compass in the production of the line marked by the monument to avoid local attraction. The point selected has been 290 feet north of the northerly stone.

The following table gives the number of tests for each year with the average readings:

YEAR.	Number of Readings.	Average of Readings West of North.	YEAR.	Number of Readings.	Average of Readings West of North.
1871.....	9	10-53-46	1888.....	3	11-40-57
1872.....	8	11-09-47	1889.....	-	
1873.....	3	11-07-53	1890.....	7	11-39-56
1874.....	3	11-11-40	1891.....	4	11-49-30
1875.....	3	10-58-33	1892.....	-	
1876.....	2	11-13-00	1893.....	1	12-32-20
1877.....	8	11-12-35	1894.....	-	
1878.....	13	11-28-56	1895.....	-	
1879.....	4	11-35-15	1896.....	-	
1880.....	7	11-34-53	1897.....	8	12-04-37
1881.....	3	11-28-23	1898.....	6	12-34-34
1882.....	5	11-36-18	1899.....	-	
1883.....	5	11-42-04	1900.....	8	12-33-45
1884.....	6	11-46-13	1901.....	-	
1885.....	8	11-43-12	1902.....	13	12-44-44
1886.....	4	11-39-58	1903.....	8	12-43-42
1887.....	14	11-51-54			

APPENDIX J.

A supplementary list of maps relating to Boston, subsequent to 1600, copies of which are in possession of collectors of the same.

1609

LESCARBOT, MARCUS.

Nouvelle France, nunc primum deline aut publicauit, donait, Ian Sweline fecit. I. Millot excudit. Size, $6\frac{3}{8} \times 16\frac{1}{8}$ inches. Scale (computed), 35 miles to an inch.

In Nova Francia, or the description of that part of New France which is continent with Virginia [Marcus Lescarbot]. Translated out of the French into English by P. E. Printed by Andrew Hebb and to be sold at the Sign of the Bell in Paul's Church Yard. London [1609], p. 136.

Massachusetts Historical Society.

Same

A reproduction in Popham Memorial. Portland, 1863.

Massachusetts Historical Society.

1610

MICHEL, JEAN.

Carte de l'Amerique. Carte pour servir a l'intelligence du memoire sur la Peschedes Moluës par Jean Michel en 1510. Copié de l'original. Size, $4\frac{1}{2} \times 6\frac{1}{2}$ inches. French Documents, Vol. 3, p. 345.

Copied from a manuscript map at the Depot des Cartes. It shows Cape Mallebarre, Acadie, Baccalaeos, Golf de St. Laurent, Sadoussac, I. de Teerre Neuve, Bank, and a vessel.

Massachusetts State Archives.

Same 4310.160

In Winsor (Justin) Narrative and Critical History of America. Vol. 4, p. 143.

Boston Public Library.

1612

CHAMPLAIN, SAMUEL DE.

Carte géographique de la Nouvelle France faicte par le sieur de Champlain tongois cappitaine ordnaire pour le Roy en la Marine fait l'en 1612. Size, $16\frac{3}{8} \times 30$ inches. Scale (computed), 20 lieux to an inch.

Reproduction in Voyages of Champlain. English translation by Prof. Charles Pomeroy Otis. Edited by Rev. Edmund Farwell Slafter. Published by Prince Society, 1882. Vol. 3, p. 228.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

1613

CHAMPLAIN, SAMUEL DE.

Carte géographique de la Nouvelle franse en son vray meridiem
faicte par le S^r Champlain Cappi^{ne} po^r le Roy en la Marine, 1613.
Size, $9\frac{3}{4} \times 12\frac{3}{4}$ inches. Scale (computed), 31 lieux to an inch.

Reproduction in Voyages of Champlain. English translation by Prof. Charles
Pomeroy Otis. Edited by Rev. Edmund Farwell Slater. Published by Prince
Society, 1882. Vol. 3, p. 228.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

1614

NIEUW NEDERLANDT.

Size, $16\frac{3}{4} \times 24\frac{3}{4}$ inches. Scale (computed). 10 Duytsche mylen to
an inch. "Copée d'après l'original par P. H. Loffett Juillet, 1841."
Lith.

"The Original Carte Figurative, of which the above is an accurate Fac Simile, was
found on the 26 June, 1841, in the Loket-Kas of the States General in the Royal
Archives at The Hague. It was annexed to the Memorial presented to the States
General on the 18th August, 1616, by the 'Bewindhebbers van Nieuw Nederlandt,'
praying for a Special Octroy according to the Placaart of 27th March, 1614, and is
referred to in the Memorial as showing the extent of the discoveries made by Schipper
Cornelius Hendriex, z. of Munnikendam in a small yacht of 8 lasts burden, named
The Onrust, which the Memorialists had caused to be built in New Netherlands. The
Hague, 27 July, 1841. J. Romain Brodhead, agent for the State of New York." Lith.
of Sarony & Co., New York, in Documents Relating to the Colonial History of New
York by John Romain Brodhead. Edited by Edmund Bailey O'Callaghan. Vol. 1,
page 13. Albany, 1856. For notes on map see in same page 12, etc., Brodhead's History
of New York, Vol. 1, p. 739, and Winsor's Memorial History of Boston, Vol. 1, p. 56.
*2390.2

Boston Public Library.

Same
Massachusetts Historical Society.

Same
In O'Callaghan (Edmund Bailey) History of New Netherlands. Vol. 1, front.
Second edition, 1855. 2371.3=**G3625.4

Boston Public Library.

Same
Massachusetts Historical Society.

Same. Reduced reproduction. Size, $6\frac{3}{4} \times 8\frac{1}{2}$ inches. Scale (com-
puted), 28 Duytsche mylen to an inch.

In Janvier (Thomas A.) The Dutch Founding of New York. Harper Brothers.
London and New York, 1903, p. 20. *4478.39

Boston Public Library.

Same. Size, $16\frac{3}{4} \times 20$ inches. Scale (computed), 10 Duytsche mylen
to an inch.

"Lithographed in fac-simile by C. & W. Endicott, New York, from the original
map (copy of the) deposited in the Office of the Secretary of State at Albany."
In O'Callaghan (Edmund Bailey) History of New Netherlands. New York, 1846.
Vol. 1, front. Slightly different in detail, giving the English in place of the Dutch
words in the note.

Massachusetts Historical Society.

Same (loose map)
John W. Farwell, Boston.

Same. Reproduction of part of. Size, $5\frac{1}{2} \times 5\frac{1}{2}$ inches.

In Winsor (Justin) Memorial History of Boston. Vol. 1, p. 57.

Engineering Department (Surveying Division).

Same 4451.51
Boston Public Library.

1614-1616

SMITH, CAPTAYN JOHN.

New England (First state) Observed and described by Captayn John Smith. The most remarqueable parts thus named by the high and mighty Prince Charles, Prince of Great Britain. Simon Pasceus Sculpsit. Robert Clerke Excudit. Printed by Geor: Low, London. Size, $11\frac{1}{2} \times 13\frac{1}{8}$ inches. Scale (computed), 5 leagues to an inch.

A reprint by Charles A. Swett, in Deane (Chas.) reprint of "New England Trials." ***4505.7

Boston Public Library.

Same *Massachusetts Historical Society.*

Same (loose map) *American Antiquarian Society.*

Same. (Second state.) Size $11\frac{1}{2} \times 13\frac{1}{8}$.

Drawn by J. Eddy. Pendleton's Lithography, Boston, in reprint of Advertisements in Collections of Mass. Hist. Society, Vol. 3, 3d series, 1833, p. 8.

Essex Institute, Salem.

Same. Photo-lithograph. Size, $7 \times 8\frac{1}{4}$ inches.

In Palfrey (John G.) History of New England, 1859. Vol. 1, p. 94.

Essex Institute, Salem.

Same, part of. Size, 2×2 inches.

In Toomey (John J.) (Edward P. B.) Rankin History of South Boston, 1901, p. 2. 4452.155

Boston Public Library.

1624

Same (Fourth state).

A fac-simile in an original 1632 edition of Smith's General Historie of Virginia, New England and the summer isles.

Frederick L. Gay, Brookline.

Same

In Arber (Edward) reproduction of Capt. John Smith's works, the English Scholars' Library No. 16. Birmingham, 1884, p. 695, in the General Historie of Virginia, New England, and the Summer Isles.

Massachusetts Historical Society.

ALEXANDER, SIR WILLIAM.

[Map of New England, etc.] Size, $9\frac{1}{2} \times 12\frac{1}{2}$ inches.

In Purchas (Samuel) His Pilgrimes. London, W. Stansby, for H. Fetherstone, 1625, Vol. 4, bet. pp. 1872-3 (two copies).

Massachusetts Historical Society.

Same (loose map) *Massachusetts Historical Society.*

Same

In Slafter (Rev. Edmund Farwell) Sir William Alexander. Boston, Prince Society, 1873, p. 216.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

Same (part of)

In Thornton (John Wingate) The landing at Cape Ann. Boston, 1854.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

1626

SMITH, CAPTAYN JOHN.

New England (Fifth state).

In the General historie of Virginia, New England and the summer isles. London, 1626.

Massachusetts Historical Society.

1627

SMITH, CAPTAYN JOHN.

New England (Sixth state).

In the General historie of Virginia, New England and the summer isles. London, 1632.

Massachusetts Historical Society.

1630-1645

LAMB, GEORGE.

A series of plans of Boston, showing existing ways and owners of property, from December 25, 1630, to December 25, 1645, inclusive.

Compiled by George Lamb, 1903. 16 sheets and title page. Size of sheets, $12\frac{1}{2} \times 17$ inches. Scale, 600 feet to an inch. Blue prints.

Compiled from Book of possessions, town records, Massachusetts Bay records, Savage's Winthrop, Lechford's diary, Aspinwall's notarial book, and Suffolk County deeds. A limited number of copies (16) were struck off and original plates destroyed.

*Engineering Department (Surveying Division).*Same *City Registrar's Office, Boston.*" *Boston Public Library.*" *Massachusetts State Library.*" *Boston Athenæum.*" *Library of Congress.*" *Harvard College Library.*" *Massachusetts Historical Society.*" *New England Historic Genealogical Society.*

1630-1880

WINSOR, JUSTIN.

Boston Old and New. 1630-1880. Heliotype Printing Co., Boston.

 $8\frac{1}{2} \times 11\frac{5}{8}$ inches. Scale (computed), size, about 850 feet to an inch.

Shows Boston proper, as far south as Dover street. The map of Boston, 1880, by the Boston Map Co., was used as a base; on this map was platted in color the original peninsula; and by colors are shown the original hills and slopes, level ground, marsh and swamps, springs and early streets, also a number of the points of interest of early days. In Winsor (Justin) Memorial History of Boston, Vol. 1, front.

Essex Institute, Salem.

Same

In Lodge (Henry Cabot) Boston. Longman, Green & Co., London and New York, 1892.

Essex Institute, Salem.

1632

CHAMPLAIN, SAMUEL DE.

Carte de la Nouvelle France . . . faictt l'an 1632 par le Sieur de Champlain. Size, $20\frac{1}{2} \times 33\frac{1}{2}$ inches.

Reproduction in Voyages of Champlain. Prince Society, 1880, Vol. 1, p. 321.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

1633

WOOD, WILLIAM.

Map of Massachusetts, 1633. Size, $7 \times 10\frac{1}{2}$ inches. Scale (computed), 18 miles to an inch.

Reprint of New England's Prospect under title Description of Massachusetts. In Young (Alexander) Chronicles of the First Planters of Massachusetts Bay from 1623 to 1636. Boston, Little, Brown & Co., 1846.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

1633-7

WINTHROP, JOHN.

[A chart of Massachusetts bay.] [Boston, 1633-7.] Size, $14\frac{1}{2} \times 20\frac{1}{2}$ inches. Scale (computed), 2.8 Italian miles to an inch.

A photographic copy from Trustees of the Boston Public Library. For description see Mass. Hist. Soc. proc., Sec. 2, Vol. 1, p. 211; Winsor's Narrative and Critical History of America, 1889, Vol. 3, p. 381; Green's Some Remarks on the Waters-Winthrop Map; Green's Ten Fac-similes Relating to New England.

Massachusetts Historical Society.

Same. Heliotype reproduction from the Winsor plate. Size, $12\frac{1}{2} \times 17\frac{1}{2}$ inches. Scale (computed), 3.4 Italian miles to an inch.

Two copies unmounted.

Massachusetts Historical Society.

Same
 In Green (Samuel A.) Ten fac-similes relating to New England.

Massachusetts Historical Society.

Same
Essex Institute, Salem.

1634

WOOD, WILLIAM.

The South Part of New England, as it is planted this yeare, 1634. Size, $6\frac{1}{2} \times 10\frac{1}{2}$ inches.

In reprint of New England's Prospect by Prince Society. Boston, 1865. Vol. I.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

Same
 In Boynton (E. Moody) Reprint of New England's Prospect.

Essex Institute, Salem.

1634. — *Continued.*

Same. Size, $4\frac{3}{8} \times 6\frac{1}{8}$ inches.

With Reprint of William Wood, New England's Prospect. In Palfrey (John G.) History of New England. Boston, 1859. Vol. 1, p. 360.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

Same. Size, $5\frac{3}{8} \times 8\frac{3}{8}$ inches.

In Stark (James H.) Antlque Views of Boston, 1882.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

1635

WOOD, WILLIAM.

The South Part of New England as it is planted this yeare, 1635.

Size, $7\frac{1}{4} \times 10\frac{7}{8}$ inches.

In Wood (William) New England's Prospect. London, I. Bellamie, 1635.

Essex Institute, Salem.

Same *Massachusetts Historical Society.*

“ *Frederick L. Gay, Brookline.*

SMITH, CAPTAYN JOHN.

New England (Tenth state). Size, $12 \times 13\frac{3}{4}$ inches. Scale (computed), 5 leagues to an inch.

In Veazie (William) Reprint of Advertisements to the Unexperienced Planters of New England or anywhere. Boston, 1865.

Essex Institute, Salem.

Same *Massachusetts Historical Society.*

Same *Frederick L. Gay, Brookline.*

In Jenness (John Scribner) Isles of Shoals. New York, 1873.

Frederick L. Gay, Brookline.

Same (portion only). Size, $3\frac{1}{2} \times 5\frac{3}{8}$ inches.

In Stark (James H.) Antlque views of Boston. Boston, Photo-electrotpe Engraving Company, 1882, p. 84.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

1636

JANSONIUS, JOHANNES.

Nova Anglia Novum Belgium et Virginia. Size, $14\frac{1}{2} \times 18\frac{3}{4}$ inches.

Amstelodami, Johannes Janssonius, excudit.

In Gerardi Mercatoris Atlas or a Geographicke description of the regions, countries, and kingdomes of the World. The second volume translated by Henry Hexham, Quarter-Master to the Regiment of Col. Goring. Lintimbus—typis anets. Hendrici Hondii, Amstelodami, 1636, bet. pages 441 and 2.

Frederick L. Gay, Brookline.

Nova Belgia et Nova Anglia. Size $14\frac{1}{2} \times 19$ inches. Scale (computed), 50.32 miles to an inch.

French maps. Vol. 1, p. 7.

Massachusetts State Archives.

1650

New England. Size $7\frac{1}{2} \times 9\frac{3}{4}$ inches. French Docs. Vol. 2, p. 161.
A MS. copy of a portion of a MS. map of North America, dated 1650.

Massachusetts State Archives.

1653

VISSCHERO, JOANNIS.

Nova Belgii, Novaeque Angliae non Partos Virginia Tabula multis
in locis emendata a Joannis Visschero. Size, $5\frac{1}{2} \times 6\frac{3}{4}$ inches. 24
millaria, Germanica communia = 1 inch.

In Janvier (Thomas A.) The Dutch Founding of New York. New York and
London, Harper & Bros., 1903. P. 112. 4478.39

Boston Public Library.

1660

DONCKER, HENDRICK.

Pas Caert van Nieu Nederland, Virginia en Nien Engellant. Hen-
drick Doncker, Amsterdam. Size, $17\frac{1}{2} \times 21$ inches. Scale (com-
puted), 9.7 miles to an inch.

In Sea atlas, Amsterdam, 1660. Shows from Cape Ann to 35 N. lat.

John Carter Brown Library.

1675

SELLER, JOHN.

[Map of] New England. Size, $17 \times 21\frac{1}{2}$ inches.

From Seller (John) Atlas Martinus or Sea Atlas, London. J. Darby, for the
author, 1675. Photographic copy.

Frederick L. Gay, Brookline.

1676

NEW ENGLAND AND NEW YORK.

F. Lamb, Sculp. Sold by Thomas Basset and Richard Chiswell
(London). Size, $14\frac{1}{2} \times 19\frac{1}{4}$ inches. Scale (computed), 30.85 miles to
an inch.

In The Theatre of the Empire of Great Britain, presenting an exact geography of
the Kingdomes of England, Scotland and Ireland—as also a prospect of the most
famous parts of the World, by John Speed, with many additions never before extant.
London, printed for Thomas Bassett and Richard Chiswell, 1676. *2280.2

Boston Public Library.

Same (cut from above) No. 40 in Map 57.3
Boston Public Library.

Same
This copy was erroneously listed in the "List of Maps, 1903," under 1622.

John Carter Brown Library.

1677

HUBBARD, WILLIAM.

A map of New England, being the first that ever was here cut.
[Boston, William Hubbard. 1677.] Printed by John Foster.
(Pioneer printer in Boston). (White Hills). Size, $11\frac{3}{4} \times 15\frac{1}{2}$ inches.
Scale (computed), 14 miles to an inch.

In Hubbard (William) A Narrative of the Troubles with the Indians. Boston,
1677. Two copies. C.32.e19-G.746

British Museum.

1677. — *Continued.*

Same
In Mass. Hist. Soc. proceedings, 2d series. 1890-91, p. 41.

Essex Institute, Salem.

Same. Size, $11\frac{1}{2} \times 15$ inches. Scale (computed), 13.9 miles to an inch.
In Green (Samuel A.) Ten fac-simile reproductions relating to Old Boston and neighborhood. Boston, 1901.

Essex Institute, Salem.

Same
Massachusetts Historical Society.

Same (Wine hills). Size, $11\frac{3}{8} \times 14\frac{1}{8}$ inches. Scale (computed), 14 miles to an inch.

In Hubbard (William) Narrative, etc. London, Thos. Parkhurst, 1677. 978d26

British Museum.

Same
Frederick L. Gay, Brookline.

Same. Fac-simile. M. Swett. 1826. Pendleton. Lith.

In Morton (Nathaniel) New England Memorial. 5th ed. 8°. Boston, 1826. Front.

Frederick L. Gay, Brookline.

Same. $7\frac{1}{2} \times 10\frac{1}{2}$ inches. Scale (computed), 20 miles to an inch.

In Palfrey (John G.) History of New England, 1864. Vol. 3, p. 155.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

Same. Photo-lithograph

In Mass. Hist. Soc. proceedings, 2d series, 1887-89, p. 29.

Essex Institute, Salem.

Same
In Green (Samuel A.) Ten fac-simile reproductions relating to old Boston and neighborhood. Boston, 1901.

Essex Institute, Salem.

Same
Massachusetts Historical Society.

Same (portion of). Size, $3\frac{1}{2} \times 3\frac{3}{8}$ inches.

In Lossing (Benson J.) Field Book of the Revolution, Vol. I, p. 446. *G. 352.21

Boston Public Library.

Same
In Drake (Samuel G.) Nooks and Corners of the New England coast, 1875, p. 25.

New England Historic Genealogical Society.

1680

(New England, Nova Scotia and adjoining parts of Canada.) Size, $7\frac{1}{2} \times 12\frac{1}{2}$ inches. French Docs. Vol. 3, p. 11.

A MS. copy of MS. in Depot des cartes et plans. Bounds Port Royal, Bay de Chaleurs, Montreal, New York. Shows "Baston," "Salem," Dorchester, Nouvelle Pilmouth.

Massachusetts State Archives.

1681

(Boston lower harbor.) Size $7\frac{3}{8} \times 11\frac{1}{8}$ inches.

Maps and plans. Vol. 2, p. 25.

A MS. map and shows "Nahat," "Nantascot" and islands.

Massachusetts State Archives.

1682

SELLER, JOHN.

New England and New York. Size, $4\frac{1}{2} \times 5\frac{1}{2}$ inches. Scale, 60 miles to an inch.

In Seller (John) Atlas maritimus. London, 1682.

Massachusetts Historical Society.

1688

BLOME, RICHARD.

Nouvelle Angleterre et Nouvel York. Size, $6\frac{1}{5} \times 6\frac{11}{16}$ inches. Scale (computed), 15 lieues d'Angleterre et de France to an inch.

In L'Amerique Angloise avec de nouvelles cartes de chaque isle et terres par Richard Blome. Traduit de L'Anglois a Amsterdam, chez Abraham Wolfgang, près la Bourse, 1688, p. 627.

Hon. Samuel A. Green, Boston.

1689

THORNTON, JOHN. AND WILL FISHER.

Part of New England. Sold by J. Thornton, at ye Platt in Minories, and by Will Fisher, at ye Postern gate on Tower-hill, London [1689?]. Size, $16\frac{1}{2} \times 18\frac{1}{2}$ inches.

Shows from Casco bay to New London. In the English Pilot, fourth book [London 1689?].

*Essex Institute, Salem.*Same
Photographic copy.*Frederick L. Gay, Brookline.*

PALFREY, JOHN G.

Map of New England. 1689. Palfrey, del. Size, $7\frac{1}{2} \times 9\frac{1}{2}$ inches.

In Palfrey (John G.) History of New England. 1864. Vol. 3, front.

*Essex Institute, Salem.*Same
Frederick L. Gay, Brookline.

NOLIN, I. B.

Partie orientale du Canada ou de la Nouvelle France [as far south as the 32d parallel], avec la Nouvelle Angleterre la Nouvelle Ecosse, la Nouvelle York et la Virginæ. Dressée sur les memoires les plus nouveaux, par le P. Coronelli, cosmographe de la Sereniss^{me} rep de Venise. Corrigée et augmentée par le Sr. Tallenim, et dédiée a Monsieur l'Abbé Bavrand par son tres humble serviteur, I. B. Nolin. A Paris, 1689. Size, $17 \times 22\frac{1}{2}$ inches. Scale (computed), 73.8 miles to an inch.

French Maps, Vol. 1.

Massachusetts State Archives.

1690

[Map of New England.] MS. copy. Size, $4\frac{1}{2} \times 6\frac{1}{2}$ inches.

French docs., Vol. 4, p. 8.

With papers relating to a "Projet d'une expedition contre Marvat et Baston. A. Versailles le 10 Mar. 1690."

Massachusetts State Archives.

D'ABBEVILLE, SANSON.

Boston harbor. Size, $4\frac{3}{16} \times 4\frac{1}{2}$ inches. Scale, 6 miles to an inch.

Sub-map to Carte nouvelle de l'Amerique Angloise, etc. From Neptune Francois. Vol. 2. Amsterdam. 1700. Photographic copy.

Frederick L. Gay, Brookline.

1692

POUND, THO.

A new mapp of New England from cape Codd to cape Sables, describing all the sands, rocks and difficultys together with a sand draft of the Mattathussets bay. Exactly surveyed by the author, Tho. Pound. J. Harris, sculp. col. 27×34 [London], P. Lea [etc., 1692?].

NOTE. — This map is dedicated to Charles, earl of Macclesfield, who was appointed privy councillor and lord president of the marches of Wales in Feb., 1688-9, and died Jan. 7, 1693-4. Thomas Pound was commander of H. M. Sloop Mary at Boston, July 11 to 27, 1688. He went on a piratical cruise Aug. 9, 1689, which ended Oct. 4 in his capture by Capt. Samuel Pease of H. M. Sloop Mary. He was sentenced to be hung Jan. 27, 1689-90, but was reprieved and eventually escaped in the Rose frigate, May 19, reaching Falmouth, England, July 8. He was captain of the "Sally" Rose from Aug. 5, 1691, until the latter part of 1693.

Besides the seacoast of New England, this map gives "Matthathussets bay," with soundings and towns thereon, including Boston and suburbs. This includes about half the map. Photographic copy.

Frederick L. Gay, Brookline.

DAUX, CHEVALIER.

Plan de Boston. Tiré par la chevalier Daux envoyé aux Iroquois par Mr. de Frontenac, lequel y a esté retenu deux ans quatre mois prisonnier. 1692. Traced from the original in the Dépôt des cartes de la marine at Paris by Alfred Greenough, architect, June, 1879. Reproduced in the Boston Public Library Bulletin, January, 1894. Size, $21\frac{1}{2} \times 29\frac{1}{2}$ inches. Scale, 1,000 feet to an inch.

American Antiquarian Society.

1693

FRANQUELIN, JEAN BAPTISTE LOUIS.

Carte de la ville, baye, et environs de Baston. Par Jean Baptiste Louis Franquelin. hydrog. du Roy, 1693. Verifiée par le Sr. de la Motte. Size, $23\frac{1}{4} \times 32$ inches. Scale, 1 lieue = $6\frac{1}{2}$ inches.

Traced from the original in the Dépôt des cartes de la marine, at Paris, and presented to the Boston Public Library by Alfred Greenough, June, 1879. Reprint in Boston, 1630-1880. Boston, Rand, Avery & Co., Sept. 17, 1880.

Essex Institute, Salem.

MORDEN, ROBERT.

A new map of New England and New York. Size, $4\frac{3}{4} \times 5\frac{1}{2}$ inches. Scale (computed), 60 nautical miles to an inch.

In Geography Rectified or a description of the World. London. Printed for Robert Morden and Thomas Cockerell at the Atlas in Cornhill at the Three Legs in Poultry over against the Stocks market MDCXCIII., p 606.

*6287.1

Boston Public Library.

Same *Massachusetts Historical Society.*

1694

SOUTHAK, CAPT. CYPRIAN.

A draught of Boston harbor by Capt. Cyprian Southake. Made by Augustine Fitzhugh anno 1694. (col.) Size 15×19 inches. Scale, about 1 mile to an inch.

A manuscript copy made in City Engineer's office, of a manuscript copy made by J. A. Burt, 12th August, 1884, from original in British Museum.

Engineering Department (Surveying Division.)

Same. Size, $4 \times 5\frac{1}{2}$ inches. Scale (computed), 3.4 miles to an inch.

Reduced reproduction through courtesy of the Bostonian Society. In year book of the Society of Colonial Wars in the Commonwealth of Massachusetts for 1898. Boston. For the society, 1899.

Essex Institute, Salem.

Same. Size, $4\frac{3}{4} \times 6\frac{1}{2}$ inches. Scale (computed), 3 miles to an inch.

In Proceedings of the Bostonian Society, January, 1904.

Bostonian Society.

1696

Fortifications, Boston, manuscript. Size, 12×13 inches.

Lit. Vol. 70, p. 286.

With "report of ye committee appointed to survey ye fortifications, July, 1696."

Massachusetts State Archives.

1696-1697

BUTCHER, JOHN.

Dorchester Twelve Divisions. By John Butcher, 1696-7. Heliotype reproduction, Feb., 1891, of copy made by James Blake in 1726. Size, $16\frac{1}{2} \times 21\frac{1}{2}$ inches. Scale, 160 rods to an inch.

Massachusetts Historical Society.

Same *New England Historic Genealogical Society.*

1697

MATHER, REV. COTTON.

A correct map of New England and New York. Size, $10\frac{1}{2} \times 13\frac{1}{8}$ inches.

Mather (Rev. Cotton). Magnalia Christi American, Book 5. London, 1702. (Three copies).

Massachusetts Historical Society.

Same *Frederick L. Gay, Brookline.*

1698

THORNTON, JOHN, AND RICHARD MOUNT.

Boston harbor in New England. Size, $9\frac{9}{16} \times 15\frac{1}{2}$ inches. Scale (computed), $1\frac{4}{100}$ English miles to an inch.

In the English Pilot, the fourth book. Printed for John Thornton, at the sign of England, Scotland and Ireland, in the Minories, and Richard Mount at the Postern on Tower hill, 1698; apparently the same as in the edition of 1689.

Essex Institute, Salem.

Same

Photographic copy from Library of Congress copy.

Frederick L. Gay, Brookline.

1700

A colored chart of the coast of Newfoundland, New Scotland, and New England. Drawn about 1700, on a scale of $11\frac{1}{2}$ leagues to an inch.

Size, 18×23 inches.

K. Mar. VII. 9

British Museum.

VOOGHT, C. J., AND J. VAN KENLEN.

Pas-Kaart vandi Zeé Kusten mile Boght vaï Niew Engeland tusschen de Staaten Hock en C. de Sable. C. J. Vooght, J. Van Kenlen. Amsterdam [1700?].

71500(8)

British Museum.

HALLEY, CAPTAIN EDMUND.

A new and correct chart, showing the variations of the compass in the western and southern ocean, as observed in ye yeare 1700 by his Maties command by Edm. Halley. Sold by R. Mount & T. Page, on Tower Hill. Size, $19\frac{1}{4} \times 22\frac{3}{4}$ inches.

In The English Pilot, fourth part. London, Rich. Mount and Thomas Page, 1707.

Boston Athenæum.

1700.—Continued.

Same
In The English Pilot, fourth book, 1728. 1804b
British Museum.

Same
In The English Pilot, fourth book, 1737. *6280.1
Boston Public Library.

Same
In The English Pilot. Mount & Davidson. London, 1794. M. A. 3217-94
Harvard College Library.

1705

Castle William. Size, $4\frac{3}{4} \times 3\frac{3}{4}$ inches.
In Winsor (Justin) Narrative and Critical History of America. Vol. 5, p. 108.
*4310a160
Boston Public Library.

1706

CHARLES, ———.
Mr. Charles' draft of tombs in ye South Burying place, 1706. [MS.]
Size, $12\frac{1}{2} \times 16$ inches.
Cemetery Department, Boston.

1707

A new plan of the Harbour of Boston in New England, Lat. $42^{\circ}24'$ North, Long. 71° West. Surveyed by order of the Commissioners of Her Majesty's Navy. Note: The soundings were taken at low Water. Variation West 10° observed An^o 1700 by Cap^t Edmund Halley. The spaces inclosed with dots are mostly mud flats covered with eel grass; circular map. Size, $18\frac{1}{2}$ inches diameter. Scale, 4,000 feet to an inch.

A manuscript plan which bears a striking resemblance to the plan in the English Pilot of 1707. This plan covers more territory to the northward than the one in the English Pilot, and varies somewhat in its details, viz.: Long wharf erected in 1709, Boston Light erected in 1715, the Barricado not shown, except the T and Island wharf; the streets of Boston and Charlestown are shown on this plan. This chart was formerly in possession of Admiral Earl Howe, commander of the British Navy during the Revolution, and is backed, presumably, by him "244, Halley's Boston Harbour."

John W. Farwell, Boston.

1711

An exact draught of Bostone Harbour, with a survey of most of the islands about it, 1711. Drawn on a scale of 2 inches to a mile. Size, 14×18 inches.

In Year book of the Society of Colonial Wars in the Commonwealth of Massachusetts for the year 1897. Boston. For the society, 1897.

Essex Institute, Salem.

Bostone. Size, 4×4 inches.

In Bowden (James) The History of the Society of Friends in America, London, 1856. Vol. 1, p. 186, "from an ancient map in the British Museum." It coincides in detail with Town portion of the above draught. *3544.57

Boston Public Library.

GREEN, NATHANIEL.

[Plan of Atkinson street and vicinity.] March 19, 1711-1712, by N. G. Size, $11\frac{1}{2} \times 18\frac{1}{2}$ inches. Scale, 4 rods to an inch.

Bounds Milk street, Long lane, Cow lane, and Hutchinson's pasture; also shows Round lane, Sister's lane, and Bury street, with lots and owners resulting from partition of Atkinson's estate 1711-12.

Massachusetts Historical Society.

1720.

MOLL, HERMAN.

(Map of Boston Harbour.) Size, $1\frac{1}{2} \times 2$ inches. Scale (computed), 10.6 miles to an inch.

Sub-map on North America dedicated to John, Lord Somers.

George Littlefield, Boston.

Same (without date)

John W. Farwell, Boston.

NEAL, DANIEL.

Harbour of Boston [showing soundings and ship channel]. Size, $2\frac{1}{2} \times 3\frac{1}{2}$ inches. Scale (computed), 8.8 miles to an inch.

Sub-map to A New Map of New England according to the latest observations. 1720. In Neal (Daniel) History of New England. London. J. Clark, R. Ford and R. Cruttenden. 1720.

Essex Institute, Salem.

Same

In 1747 edition.

Massachusetts Historical Society.

HOMANN, IOH. BAPTISTA.

Nova Anglia septentrionali Americæ implantata Anglorimique colonis florentissima geographice exhibita a Ioh. Baptista Homann. Sæ coes maj. geographo. Norumbergoe cum privilegio sæ coes maj. Size, $18\frac{1}{16} \times 22\frac{1}{2}$ inches. Scale (computed), 8 Milliaria Germanica to 1 inch.*John W. Farwell, Boston.*

1722.

BONNER, CAPT. JOHN.

The Town of Boston in New England, by Capt. John Bonner, Ætatis Suæ 80. Engraved and printed by Fra: Dewing. Boston, N. E., 1722. Size, $11 \times 15\frac{1}{2}$ inches. Scale (computed), 692 feet to an inch.

Reproduction from an original print, formerly belonging to William Taylor; in possession of the Massachusetts Historical Society, and supposed to be the only copy extant.

In Green (Samuel A.) Ten fac-simile reproductions relating to old Boston and neighborhood. Boston, 1901.

Essex Institute, Salem.

Same

Massachusetts Historical Society.

Same. Engraved from a copy in the possession of Wm. Taylor, Esq. Published by George G. Smith, engraver. Boston, 1835. [Certified to by Stephen P. Fuller, July 2, 1835.] Photo-lith. by Geo. H. Walker & Co., Boston. Size, $8 \times 11\frac{1}{2}$ inches. Scale (computed), 960 feet to an inch.

In annual report of City Registrar for 1902. Doc. 34 of 1903, p. 278.

Note. — Ætatis Suæ 60 on this map is Ætatis Suæ 80 on original. The plate from which this addition was printed is in possession of the City Registrar, Boston.

City Clerk's Office.

Bonner's map of Boston for 1722. Engraved for Boston Notions. Boston, 1848. Size, $3\frac{5}{16} \times 5\frac{1}{2}$ inches. Scale (computed), 1,600 feet to an inch.

In Dearborn (Nathaniel) Boston Notions, Boston, 1848, p. 176.

Essex Institute, Salem.

Same

Frederick L. Gay, Brookline.

1722. — Continued.

Same. Size, $5\frac{3}{8} \times 9\frac{1}{8}$ inches. Scale (computed), 1,143 feet to an inch.
Reproduction in Boston Almanac, 1853.

New England Historic Genealogical Society.

Same. Size, $5\frac{3}{8} \times 9\frac{1}{8}$ inches. Scale (computed), 1,200 feet to an inch.
In Warren (John C.) The great tree on Boston Common. 1855.

Essex Institute, Salem.

Same. Size, $2\frac{1}{10} \times 4\frac{3}{4}$ inches. Scale (computed), 2,000 feet to an inch.

In Scudder (Horace E.) Boston town, 1881, p. 7.

Essex Institute.

Same. Size, $8\frac{1}{2} \times 12\frac{1}{2}$ inches. Scale (computed), 880 feet to an inch.
In Stark (James H.) Antique views of Boston, 1882, p. 45.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

Same. Size, $6\frac{1}{2} \times 8\frac{3}{4}$ inches. Scale (computed), 1,000 feet to an inch.

In Lodge (Henry Cabot), Boston. Longman, Green & Co., London and New York, 1892, p. 108.

Essex Institute, Salem.

Same (reproduction of the 1867 edition of the Smith 1835 plate).
Size, $16\frac{3}{4} \times 23$ inches. Scale (computed), 469 feet to an inch.

In Hales (John G.) Maps and street lines, etc. Reproduced by City Registrar (William H. Whitmore). 2 vols. in 1 fol. Boston, Rockwell & Churchill, 1894.

Massachusetts Historical Society.

Same. Size, $3\frac{3}{8} \times 5$ inches. Scale (computed), 1,846 feet to an inch.

Reprint of Smith reproduction. In Announcement by Boston Camera Club of Lecture on Old Boston by Edward M. Bacon, Feb. 20, 1900.

Engineering Department (Surveying Division).

Same (part of).

In Boston Sunday Herald, Sept. 1, 1901. To accompany article by M. J. Canavan on Judge Sewall's walk with Gov. Bradstreet.

Boston Herald.

BOWEN, ABEL.

Plan of Boston in 1722. A. Bowen, engraver. [Boston, 1825.]

Size, $3\frac{1}{10} \times 5\frac{3}{10}$ inches. Scale (computed), 1,683 feet to an inch.

In Snow (Caleb) History of Boston (1st ed.), Boston, Abel Bowen, 1825, opp. p. 57.

Note. — A reduced copy of Capt. John Bonner's map. The engraver took the liberty of adding street names and making alterations, thus depriving it of its value as a reproduction.

American Antiquarian Society.

Same
Essex Institute, Salem.

"
Frederick L. Gay, Brookline.

Same
In Drake (Samuel) History and Antiquities of Boston. Boston, Luther Stevens, 1856, p. 357.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

1725

Dorchester Neck, 1725. Size, $4\frac{1}{2} \times 7\frac{1}{2}$ inches. Scale (computed), 1,452 feet to an inch.

Shows streets in dotted lines as they were, 1875. In *Illustrated History of South Boston* (opp. p. 9). Compiled by C. Bancroft Gillespie. Boston, Inquirer Pub. Co., 1900.

New England Historic Genealogical Society.

Same

In Toomey (John J.) (Edward P. B.) *Rankin History of South Boston*, 1901, p. 54.
4452.155

Boston Public Library.

1728

BURGISS, WILL.

To his excellency William Burnet Esq. this plan of Boston in New England is humbly dedicated by his Excellency's most obedient and humble servant Will Burgiss. Boston. Engraved by Thos. Johnson. [1728.] Size, $10\frac{1}{4} \times 14\frac{1}{4}$ inches.

For description of this map see Winsor's *Memorial History of Boston*, Vol. II., p. 111.; also Shurtleff's *Topographical and historical description of Boston*, bet. pp. 20-21.

R. T. H. Halsey, New York.

Same. Reproduction made in 1869 from copy in possession of Dr. J. Collins Warren. Size, $10\frac{5}{16} \times 14$ inches. Scale (computed), 1,000 feet to an inch.

In Shurtleff (Nathaniel B.) *Topographical and historical description of Boston*. Boston, 1871, p. 94.

Essex Institute, Salem.

Same. Reproduction on cloth. Size, 10×10 feet. Scale (computed), 80 feet to an inch.

Without all the detail of the original, formerly property of Dr. E. E. Hale, and evidently used for lecture purposes.

Old South Church, Boston.

Boston Harbor. Size, 10×10 inches. Scale (computed), $6\frac{1}{2}$ miles to an inch.

Sub-map to a large draught of New England, New York and Long Island. Sold by George Grierson at the two Bibles in Essex street, Dublin. A loose map, apparently a reproduction from same in *The English Pilot*, fourth book. London, Page & Mount, 1728.

Frederick L. Gay, Brookline.

1731

MOUNT, WILLIAM, & THOMAS PAGE.

Boston Harbor [showing soundings]. Size, $8 \times 9\frac{1}{2}$ inches. Scale (computed), $1\frac{1}{2}$ miles to an inch.

Sub-map to A correct map of the coast of New England, 1731. In *The English Pilot*, the fourth book. London, William Mount & Thomas Page, 1747.

Essex Institute, Salem.

1732

[Town Dock and Market Place, Plan of the.] [Boston, 1732?]
W. G. Brooks, 1866, from plan in possession of the City of Boston. Size, $10 \times 13\frac{1}{8}$ inches. Scale, 60 links to an inch, or $39\frac{6}{10}$ feet to an inch.

Plan shows from foot of Cornhill (Washington st.), at corner of Wilson's lane (Devonshire st.), to Union st., and Ann (North) st. as far as Mill creek; shows the town dock and the platform over it; the fish shop; and the abutting owners or residents.

Massachusetts Historical Society.

1732.— *Continued.*

A reduced copy in 2d report of Boston Record Commissioners, p. 95. Made from a copy in possession of the City Engineer. Size, 3×4 inches. Scale (computed), 175 feet to an inch.

American Antiquarian Society.

1733

PRICE, WILLIAM.

A new plan of ye great town of Boston in New England, in America, with the many additional buildings and new streets to the year 1733. Dedicated to his Excellency, Jonathan Belcher, Esq., by William Price, Boston, 1733. Engraved and printed by Fra: Dewing. A manuscript copy made by G. A. Ward in 1821 from a copy belonging to the Rev. Dr. Prince. Size, $16\frac{5}{8} \times 22\frac{3}{8}$ inches. Scale (computed), 480 feet to an inch.

This map was erroneously listed in the "List of Maps, 1903," under date of 1739.

Essex Institute, Salem.

SOUTHACK, CAPT. CYPRIAN.

Town of Boston in New England. Size, $6\frac{7}{8} \times 11\frac{1}{4}$ inches. Scale (computed), 1,050 feet to an inch.

Sub-map to the Coast of New England from Staten Island to the Island of Boston . . . surveyed by Capt. Cyprian Southack. [London, 1733?]

Loose copy in The English Pilot. Printed by Mount & Davidson. London, 1789. For description see Winsor's Memorial History of Boston, Vol. I., p. liv., and Vol. III., p. viii.

Essex Institute, Salem.

Same

In The English Pilot, London. Printed for Mount & Davidson. 1799.

Essex Institute, Salem.

Same. Plan of Boston harbour, according to the latest surveys. Size, $8\frac{1}{2} \times 9$ inches.

Sub-map to An actual survey of the seacoast from New York to I. Cape Briton. London, W. Herbert & R. Sayer, 1757? Size, 41×97 inches.

John W. Farwell, Boston.

POPPLE, HENRY.

Boston Harbor [showing soundings]. Size, $5\frac{9}{16} \times 5\frac{1}{8}$ inches. Scale (computed), 12,048 feet to an inch.

Sub-map to A map of the British Empire in America with the French and Spanish settlements adjacent thereto. By Henry Popple. C. Lempriere, inv. and del., B. Baron, Sc. Willm Henry Toms, eng. London, 1733.

Massachusetts Historical Society.

Same

Cut from above.

John W. Farwell, Boston.

Same

In Winsor (Justin) Narrative and Critical History of America. Vol. 5, p. 143. 4310.160

Boston Public Library.

1738

A small map of the sea coast of New England, together with the outlines of the several provinces lying therein, 1738. [Anon.] Size, $10\frac{1}{2} \times 20\frac{1}{2}$ inches. Scale (computed), 42.5 miles to an inch.

A manuscript copy of a map in the New Hampshire records which bears the endorsement: "This map was designed to give a general idea of the sea coast to the Lords of the Committee, and is for the use of the assembly, to be lodged with the clerk in his office."

Massachusetts Historical Society.

1738. — Continued.

Same
Photographic copy from Library of Congress.

Frederick L. Gay, Brookline.

1740

Granary burying-ground [Anon. MS.]. [1740?] Size, 19×24½ inches.

Cemetery Department, Boston.

1741

[Boston Harbor Obstructions.] Manuscript. Size, 12×32½ inches. Scale, 50 feet to an inch. Maps and plans, Vols. 64-51.

From Castle Island, "from the middle of the Sentry box in the lower battery N. E. by N. to Governor's Island Point shows 22 pears, 30 foot square, allowing 12 foot between each pear sunk crosswise, the channell (in center) 203 foot, total cost to be 18200 pounds."

Massachusetts State Archives.

1743

PRICE, WILLIAM.

A new plan of y^e great town of Boston in New England in America, with the many additional buildings and new streets, to the year 1743. Dedicated to His Excellency Jonathan Belcher, Esq., by William Price. Boston, 1743. Engraved and printed by Fra: Dewing. Size, 7½×10½ inches. Scale (computed), 1,083 feet to an inch.

In Palfrey (John G.) History of New England. Vol. IV., front., 1875.

Essex Institute, Salem.

Same
Frederick L. Gay, Brookline.

1747

BOWEN, EMANUEL.

A draught of Boston Harbor [showing soundings] by the best authorities. Size, 5½×5¼ inches. Scale (computed), 12,048 feet to an inch.

To accompany Vol. II. of A Complete System of Geography by Emanuel Bowen, Geographer to his Majesty. London, 1747.

Essex Institute, Salem.

1749

MORRIS, CHARLES.

A draught of the Northern English Colonies [from New York northward to the St. Lawrence] together with the French neighboring settlements. Drawn on vellum by Charles Morris, Boston, 16 Aug., 1749, on a scale of 37½ miles to an inch. Dedicated to Wm. Shirley, esq., captain general and commander in chief of Massachusetts Bay. Size, 21×29 inches.

K CXVIII52.

British Museum.

Same. Size, 20½×28½ inches. Scale, 32 miles to an inch.

Photographic copy.

No. 9 in Map 118.5
Boston Public Library.

BLAKE, JAMES.

A plan of James Blake's Homestall in the town of Dorchester, at a place called Dorchester Neck, near Castle William. Drawn by a scale of two of Gunter's chains to an inch. Size, 4½×6¾ inches.

In Illustrated History of South Boston (opp. p. 5). Compiled by E. Bancroft Gillespie. Pub. by Inquirer Pub. Co., 1900, from original in possession of Francis E. Blake.

New England Historic Genealogical Society.

1753

DOUGLASS, DR. WILLIAM.

This plan of the British dominions in North America, composed from actual surveys, is dedicated to the several general assemblies or legislatures of the province of Massachusetts Bay, of the province of New Hampshire, of the colony of Connecticut and the colony of Rhode Island, by William Douglass, M.D. Engraved by R. W. Seale. Published by the executors of Dr. William Douglass of Boston, in New England, from his original draught. Size, $33\frac{1}{2} \times 39\frac{1}{2}$ inches. Scale, 5 English miles to an inch.

Dr. Douglass died in 1752. Cornelius Douglass, Administrator, Suffolk Probate Records.

Massachusetts Historical Society.

Same

Photographic copy from Library of Congress.

Frederick L. Gay, Brookline.

[Plan of Copp's hill burying-ground, Aug. 22, 1754. Anon. MS.]
Size, $7\frac{1}{2} \times 12$ inches. Scale, none.

Cemetery Department, Boston.

Same

A manuscript copy of the above.

Cemetery Department, Boston.

1757

Plan du havre de Baston. Milles Angleterre $1\frac{9}{10}=1$ inch. Tiré d'un plan Angloise fort exact. Size, $7 \times 8\frac{1}{2}$ inches.

Sub-map to Carte réduite des costes orientales de l'Amerique Septentrionale par M. Bellin, 1757. In Atlas Maritime (fol.), à Genes, 1801, chez Yves Gravier. Map 31.

Massachusetts Historical Society.

Same

Photographic copy.

Frederick L. Gay, Brookline.

Same

(Cut from Carte réduite des costes orientales de l'Amerique, Septentrionale.)

Massachusetts Historical Society.

1758

Grundriss von der stadt Boston. Size, $8\frac{1}{2} \times 10$ inches.

From Allgemeine historie der reisen zu wasser unde lande. Vol. 16, p. 587. 4^o. Leipzig, Arkstee & Merkus, 1758. Photographic copy.

Frederick L. Gay, Brookline.

1759

Charlestown, Cambridge, Watertown, Lands in, whose owners wish to be set off to Cambridge. Manuscript. Size, 13×16 inches.

Maps and plans. Vol. 37, p. 22

Massachusetts State Archives.

1760

LEACH, JOHN.

Survey of streets from Pudding lane (Devonshire st.) to the Sconce, between Milk st. and King (State) st. Manuscript. Size, $13\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale, 150 feet to an inch.

Maps and plans, Vol. 13, p. 15

Massachusetts State Archives.

1764

BELLIN, JACQUES NICHOLAS.

Plan de la ville de Boston. Size, $5\frac{1}{2} \times 6\frac{3}{4}$ inches. Scale (computed), 625 toises to an inch.In Bellin (Jacques Nicholas), *Le petit atlas maritime* (etc.), fol. [Paris], 1764, Vol. 1, 31.*Massachusetts Historical Society.*

Same (loose map)

Massachusetts Historical Society.

Same

*John W. Farwell, Boston.*Same. Carte de la baye de Boston, située dans le nouvelle Angleterre. Eshelle de deux lieues communes. 1 inch = $\frac{8}{10}$ lieues. Size, $6\frac{3}{4} \times 7$ inches.In Bellin (Jacques Nicholas) *Le petit atlas maritime*. Vol. 1, p. 30.*Massachusetts Historical Society.*

Same (loose map)

Massachusetts Historical Society.

Same

John W. Farwell, Boston.

1769

PRICE, WILLIAM.

A new plan of ye great town of Boston in New England in America, with many additional buildings and new streets to the year 1769. Dedicated to his Excellency Jonathan Belcher, Esq., by William Price, Boston, 1769. Heliotype, Boston, 1881. Size, $5\frac{1}{2} \times 7\frac{1}{2}$ inches. Scale (computed), 1,432 feet to an inch.In Winsor (Justin) *Memorial History of Boston*. Boston, James R. Osgood & Co. 1881. Vol. II., opp. p. lvi. For description see Vol. II., p. lv.*Frederick L. Gay, Brookline.*

1770

MOUNT & PAGE, PUBLISHERS.

A plan of Boston Harbour. Sold by Mount & Page, Tower Hill, London. Variation, $7^{\circ} \dots 20''$ W. Size, $31\frac{3}{8} \times 40\frac{3}{8}$ inches. Scale (computed), 2,224 feet to an inch.

Formerly property of Edmund J. Baker of Dorchester.

Mrs. L. B. Taft, Boston.

MONTRESOR, JOHN.

A general and particular plan of the Island of Castle William near Boston. Size, 14×17 inches.

Photographic reproduction.

*Frederick L. Gay, Brookline.*Same (Castle William). Size, 14×17 inches.

Photographic reproduction.

Frederick L. Gay, Brookline.

1774

JEFFERYS, THOMAS, ENGRAVER.

Town of Boston. Size, $5\frac{9}{16} \times 8\frac{7}{8}$ inches. Scale (computed), 1,264 feet to an inch.

1774. — *Continued.*

A chart of the harbour of Boston from accurate survey. Size, $5\frac{3}{4} \times 5\frac{1}{16}$ inches. Scale (computed), 2.28 miles to an inch.

Sub-maps to A map of the most inhabited part of New England . . . from actual surveys, and its situation adjusted by astronomical observations (by J. Green) Nov. 29, 1774. Published according to the act by Thos. Jefferys, geographer to his royal highness the Prince of Wales.

In American atlas. London, R. Sayer, & J. Bennett, 1775. 48 plate edition.

Massachusetts Historical Society.

Same *Frederick L. Gay, Brookline.*

Same
In Faden (William) North American Atlas. London, 1776.

Canada Archives, Ottawa.

Same
In American Atlas. London, Sayer & Bennett, 1778. 49 plate edition.

Massachusetts Historical Society.

Same (loose map)
Library of Congress.

Same
Massachusetts Historical Society.

Same. Plan de Boston. A plan of Boston harbour.

Sub-map on Le Nouvelle Angleterre en 4 feuilles a Paris chez le Rouge rue des Grands Augustins, 1777. On map in English is note: Paris, after the original by M. le Rouge, Austin St., 1777. In Atlas Ameriquain Septentrionale. Paris, le Rouge, 1778.

Massachusetts Historical Society.

Same
In Atlas des Colonies Angloises en Amerique.

Massachusetts Historical Society.

A new and accurate plan of the town of Boston in New England
Size, $5\frac{1}{2} \times 8\frac{3}{8}$ inches. Scale (computed), 1,084 feet to an inch.

Reproduction by the American Photo-lith. Co. of plan in Gentlemen's Magazine, London, 1774(?). In Kidder's Boston Massacre, Boston, 1870.

Essex Institute, Salem.

1775

AITKEN, R.

A new and correct plan of the town of Boston. Aitken, sculp.
Size, $7\frac{1}{2} \times 10\frac{3}{4}$ inches. Scale (computed), 1,090 feet to an inch.

Note.—On same sheet, Boston, Provincial camp. In the Pennsylvania Magazine, or American Monthly Museum, 1775, 8°. Phila., R. Aitken, 1775. Vol. 1, p. 291.

Massachusetts Historical Society.

An exact plan of General Gage's lines on Boston Neck in America.
Aitken, sculp. Size, $8\frac{3}{4} \times 11\frac{1}{2}$ inches. Scale (computed), 278 feet to an inch.

In the Pennsylvania Magazine, or American Monthly Museum. Phila., R. Aitken, July 31, 1775. Vol. 1, p. 350. See Winsor (Justin) Memorial History of Boston, Vol. III, p. v.

Massachusetts Historical Society.

Same (loose map)
Rev. Arthur T. Connolly, Boston.

Plan of the "Neck" and fortifications. Size, 8×14 inches.

Plan contains the following note: "Deliv^d to H. E. Gth Gage June 30th 1775—J. M."
I.e. John Montresor. Photographic copy.

Frederick L. Gay, Brookline.

1775. — Continued.

A plan of the British lines on Boston Neck in Aug., 1775. [Anon., 1775.] Pen drawing. Size, 9×11 inches. [Faden collection, No. 37.]
Photographic copy.

Frederick L. Gay, Brookline.

Plan of the "Neck" and environs, giving distances in yards to Foster's Hill and "Roxbury Meeting." [Anon.] [1775.] Size, 10½×16½ inches.

Photographic copy.

Frederick L. Gay, Brookline.

Plan of a temporary project for a star redoubt to contain 150 men at the Neck, on the south. [Anon.] [1775.]

Photographic copy.

Frederick L. Gay, Brookline.

Boston, south part. [Anon.] 1775. Size, 12½×15¼ inches.

Note. — The title is in pencil, the date in ink. Photographic copy.

Frederick L. Gay, Brookline.

Plan of the southwest part of Boston and the "Neck." [Anon.] [1775.] Size, 13×16 inches.

Photographic copy.

Frederick L. Gay, Brookline.

Draught of the American lines around Boston, sent by General Washington to Congress Aug. 4, 1775. Size, 8¾×13½ inches. Scale, none.

In Force (Peter) American archives. Series 4, Vol. 3.

*C. 160. 1.

Boston Public Library.

PAGE, SIR THOMAS HYDE.

A plan of the town of Boston and its environs with the lines, batteries, and encampments of the British and American armies. [By Lieut. Page.] [Anon.] Size, 18×25 inches.

Drawn after the castle was demolished, and before Dorchester Heights was fortified. Faden collection, No. 33. Photographic copy.

Frederick L. Gay, Brookline.

Plan of the town of Boston and circumjacent country, shewing the present situation of the King's troops & the rebel's intrenchments, 25th July, 1775. Size, 16½×19½ inches. Scale (computed), 122 rods to an inch.

A fac-simile of plan formerly owned by the late Charles Deane. In Mass. Hist. Soc. Proc., Vol. 17, Boston, 1879-80.

American Antiquarian Society.

PELHAM, HENRY.

A plan of Boston in New England with its environs, including Milton, Dorchester, Roxbury, Brookline, Cambridge, Medford, Charlestown, parts of Malden and Chelsea, with the military works constructed in those places in the years 1775 and 1776. London, Henry Pelham, 1777. Engraved in aqua tinta by Francis Jukes. In two sheets. Size of whole, 27×38 inches. Scale, 1,168 feet to an inch.

Copy of pass: "Headquarters Boston 28 August 1775. The Bearer Mr. Henry Pelham has his Excellency the Commander in Chief's permission to take a plan of the Towns of Boston & Charlestown and of the Rebel works round those places in doing of which he is not to be obstructed or impeded but has leave to pass & repass to & from the advanced lines, the Camps (o)n the Heights of Charlestown & all the other places necessary for completing his said work p— views of the Kings Works &e he pla—to

To all concerned

Ja: Urquhart, Town Major"

"To the Right Honourable Lord George Germain one of his Majestys Principal Secretaries of State &c &c This plan is dedicated with the greatest Respect by his Lordships most obedient and much obliged humble servant Henry Pelham." Signature in ink.

In an extra edition of Sayer & Bennett's American Atlas of 1775, 48 plate edition having five additional maps, which formerly belonged to the Duke of Portland.

Frederick L. Gay, Brookline.

1775.—Continued.

Same (loose map)
Massachusetts Historical Society.

Same
 Formerly in possession of Admiral Earl Howe, commander of the British Navy at the time, and is backed, presumably, by him, upper half, "73 Plan of the Fortifications of Boston by Mr. Urquhart," lower half, "16 Boston Harbor."
John W. Farwell, Boston.

Same. Unsigned, "rebel" erased from pass.
 Two additional copies.
Essex Institute, Salem.

Same
Massachusetts Historical Society.

Same
 Additions have been made by hand showing bridges, etc.
Samuel S. Shaw, Boston.

WILLIAMS, RICHARD, AND OTHERS.

A plan of Boston and its environs showing the true situation of his Majesty's army and also those of the rebels. Drawn by an Engineer at Boston Oct. 1775. To the Public,—The principal part of this plan was survey'd by Richard Williams, Lieutenant at Boston and sent over by the son of a nobleman to his father in Town, by whose permission it is published. N. B. The original has been compared with and additions made from several curious drawings. London published as the act directs, 12th March, 1776 by Andrew Dury, Duke's Court, St. Martin's Lane. Engraved by Jno. Lodge from the late Mr. Jefferys, Geographer to the King. Size, 17 $\frac{1}{2}$ ×25 inches. Scale (computed), 400 yards to an inch.

In Faden (William) North American Atlas, London, 1776.
Canada Archives, Ottawa.

Same (loose map)
 This copy formerly belonged to Admiral Earl Howe and is backed, presumably, by him "251 Boston." It also has in another hand a note in contradiction of the Chart: "The great shoal from the Castle to the Town is never dry except in some part near the Town. But in Spring tides at low water there is very little water on any part of the Shoal and the Eel grass is so thick that a boat can scarce make its way through."
John W. Farwell, Boston.

ROMANS, BERNARD.

Plan of Boston and its environs 1775. [col.] Size, 3×3 $\frac{1}{2}$ inches.

Sub-map to map of the seat of civil war in America. Dedicated to the Hon^l Jno. Hancock, Esq., "president of y^e continental congress," by B. Romans.
Massachusetts Historical Society.

Same
 (Uncolored.)
Frederick L. Gay, Brookline.

[Rough draught of Boston and environs. Anon. 1775.] Size, 17×21 inches. [Faden collection, No. 36.]

Photographic copy.
Frederick L. Gay, Brookline.

[Boston and environs, showing entrenchments. Anon. 1775(?)]
 Size, 17 $\frac{1}{2}$ ×19 inches.

Photographic copy.
Frederick L. Gay, Brookline.

Map of the environs of Boston. Drawn at Boston in June, 1775.
 [Anon.] Size, 8×10 inches.

In the Remembrancer, 2d ed., 8^o, London, for J. Almon, 1775, front. Two copies.
Massachusetts Historical Society.

1775. — Continued.

Boston and its environs. T. Condor, Sc. Size, $8\frac{3}{4} \times 12\frac{1}{2}$ inches. Scale (computed), 4,330+ feet to an inch.

In Gordon (William) The history of the rise, progress and independence of the United States. Vol. 2, London, 1788, front.

Massachusetts Historical Society.

Boston, with its environs. Engraved by J. Vallance for C. P. Wayne, Phila., 1806. Size, 9×13 inches.

In Marshall (John) The Life of George Washington. Philadelphia, C. P. Wayne, 1807, plate 1.

Massachusetts Historical Society.

Same Fac-simile reproduction. In Stark (James H.) Antique Views of Boston, 1882, p. 262.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

Same. Engraved by J. Yeager. Size, $6\frac{1}{2} \times 9\frac{3}{8}$ inches. Scale (computed), 6,036 feet to an inch.

In atlas, Marshall (John) Life of Washington. Philadelphia, J. Cressy, 1833. Vol. 5.

Massachusetts Historical Society.

Boston and its Environs in 1775 and 1776. Size, $6\frac{1}{4} \times 9$ inches. Scale (computed), 6,036+ feet to an inch.

In Frothingham (Richard) History of the siege of Boston. Boston, 1849, p. 91. Note. — See Winsor (Justin) Memorial History of Boston. Vol. 3, p. 5.

Essex Institute, Salem.

Boston with its Environs 1775-6. Size $4\frac{3}{8} \times 6\frac{3}{4}$ inches. Scale (computed), 7,680 feet to an inch.

In Toomey (John J.) (Edward P. B.) Rankin. History of South Boston, 1901, p. 67. 4452.15

Boston Public Library.

PAGE, LIEUT., AND CAPT. MONTRESOR.

Boston, its environs, and harbor, with the rebels' works raised against the town in 1775. From the observations of Lieut. Page, of His Majesty's corps of engineers, and from the plans of Capt. Montresor. Engraved by Wm. Faden [London]. W. Faden, 1st October, 1778. Size, 18×33 inches. Scale (computed), 2,011 feet to an inch.

Massachusetts Historical Society.

[Map of roads adjacent to Boston. (From the Neck to Sudbury and vicinity.) Tracing. Anon. 1775.] Size, $21 \times 43\frac{3}{4}$ inches. Scale (computed), $\frac{1}{2}$ mile to an inch.

Copy of manuscript in Library of Congress.

Massachusetts Historical Society.

Same. Size, 18×38 inches.

Photographic copy.

Frederick L. Gay, Brookline.

PAGE, LIEUT.

A plan of the town of Boston with intrenchments of His Majesty's forces in 1775. From the observations of Lieut. Page and from those of other gentlemen. Size, $11\frac{3}{8} \times 17$ inches. Scale (computed), 836 feet to an inch.

In Frothingham (Richard) History of the siege of Boston. Boston, 1849, front.

Essex Institute, Salem.

HENRY, D.

A map of 100 miles round Boston. Size, $8\frac{1}{4} \times 9\frac{1}{2}$ inches. Scale, 10 miles to an inch.

Cut from Gentleman's Magazine, Vol. 45, June, 1775.

Rev. Arthur T. Connolly, Boston.

1775. — *Continued.*

AITKEN, R.

Boston, Provincial camp. Aitken, sculp. Size, $4 \times 4\frac{1}{2}$ inches. Scale, 2 miles to an inch.

Note. — On same sheet, "A new and correct plan of the town of Boston." In the Pennsylvania Magazine, or American Monthly Museum, 1775, 8°, Phila., R. Aitken, 1775, Vol. 1, p. 291.

Massachusetts Historical Society.

Same

Reprint in Bunker Hill centennial. Boston, Rand, Avery & Co., 1875.

Massachusetts Historical Society.

Same

Reprint in Boston 1630-1880. Boston, Rand, Avery & Co. Sept. 17, 1880.

Essex Institute, Salem.

COLTON, J. H., & CO., PUBLISHERS.

Plan of the siege of Boston. Size, $10\frac{3}{4} \times 11\frac{1}{4}$ inches. Scale, $\frac{1}{4}$ mile to an inch.

Sub-map to Wood's Historical map of the United States, showing all places of historical importance, together with the location, date and result of battles, names of commanders, plans of battle-grounds, routes of armies, date and position of early settlement, &c. Designed for the use of schools by Wm. H. Wood, principal of the Ward school, New York. New York, J. H. Colton & Co., 1858.

Essex Institute, Salem.

TRUMBULL, JOHN.

Boston and the surrounding country & posts of the American troops, Sept., 1775, J. T. Size, $7 \times 10\frac{3}{4}$ inches. Scale (computed), 4,000 feet to an inch.

In Trumbull (John) Autobiography. 8°. New York and London, Wiley & Putnam, 1841, p. 21.

American Antiquarian Society.

Same

Massachusetts Historical Society,

Map of the environs of Roxbury showing roads to Jamaica, Cambridge, Dorchester, Milton, etc. [Anon.] Size, $10\frac{1}{2} \times 19\frac{1}{2}$ inches. Photographic copy.

Frederick L. Gay, Brookline.

Plan d'une partie de la rade de Boston pour faire connaitre le dispositif de ses défences. [Anon.] [1775.] Size, 8×19 inches. [Rochambeau: 14.]

With four lines of MS. text, explanatory. Photographic copy.

Frederick L. Gay, Brookline.

A draft of the towns of Boston and Charlestown and circumjacent country, showing the works thrown up by his Majesty's troops, and also those by the rebels during the campaign of 1775. [Anon.] Size, 17×17 inches.

Photographic copy.

Frederick L. Gay, Brookline.

SAYER & BENNETT, PUBLISHERS.

Plan of the town of Boston with the attack on Bunker's Hill in the peninsula of Charlestown the 17th of June, 1775. (col.) Size, $5\frac{3}{4} \times 11\frac{1}{2}$ inches. Scale (computed), 1,297+ feet to an inch.

Sub-map to the Seat of War in New England by an American volunteer. London, Sayer & Bennett, 1775. On same map a Plan of Boston Harbour from actual survey. In Atlas des Colonies Angloises en Amerique.

Massachusetts Historical Society.

1775. — *(continued).*

Same. Robeson T. Sc. (loose map)

Cut from Murray (Rev. John) An impartial history of the present war in America. 8°. Newcastle-upon-Tyne. For T. Robson, 1778-80. P. 431.

Massachusetts Historical Society.

Same. Reissued by A. Williams & Co.

In Pulsifer (David) An account of the battle of Bunker Hill. 18°. Boston, 1872. 4358a50

Front.

Boston Public Library.

Same

In Drake (Francis S.) Tea leaves of 1773. Boston, A. O. Crane, 1884, p. 262.

Frederick L. Gay, Brookline.

Same. Norman, John, Sc.

In An impartial history of the war between Great Britain and the United States. Boston, 1782, number vi., p. 237.

Massachusetts Historical Society.

Same (loose map)

Frederick L. Gay, Brookline.

Same. Size, $3\frac{1}{2} \times 8\frac{1}{2}$ inches. Scale (computed), 1,846 feet to an inch.

Photographic copy.

Massachusetts Historical Society.

DE BERNIERE, HENRY.

Sketch of the action on the heights of Charlestown, June 17, 1775, between His Majesty's troops under the command of Major Genl. Howe and a large body of American rebels. Copied by I. A. Chapman from an original sketch by Henry de Berniere of the 14th regiment of infantry, and now in the hands of J. Cist esq. Engraved by Kneass & Co. for the Analectic magazine. Size, $13\frac{1}{2} \times 19\frac{1}{2}$ inches. No. 54

Cut from The Analectic Magazine, Philadelphia, M. Thomas & Co., Feb., 1818, Vol. 2, p. 88.

Bostonian Society.

Same
Massachusetts Historical Society.

Same. Revised by Major-Genl. Dearborn, U. S. A. Engraved by Fairman. Size, $12\frac{1}{2} \times 19\frac{1}{2}$ inches.

Cut from The Portfolio for March, 1818. Philadelphia, H. Hall, 1818.

Massachusetts Historical Society.

Sketch of Bunker Hill battle. Annin & Smith, Sc. Size, $12 \times 18\frac{1}{2}$ inches. Scale (computed), 400 feet to an inch.

In Swett (Samuel) History of Bunker Hill battle, 2d ed. Boston, Munroe & Francis, 1826; 3d ed., Boston, 1827. Two copies.

Massachusetts Historical Society.

PAGE, LIEUT., & MONTRESOR, CAPT.

A plan of the action at Bunker Hill on the 17th of June, 1775, between His Majesty's troops under the command of Major-General Howe and the rebel forces. By Lieut. Page. N. B. — The ground plan is from an actual survey by Capt. Montresor. Size, $16\frac{1}{2} \times 18\frac{1}{2}$ inches. Scale (computed), 400 feet to an inch.

Contains explanatory text.

Attached to the above is another plan which shows the first position of the forces. Size, $5\frac{1}{2} \times 9$ inches. Scale, 400 feet to an inch.

These are tracings, in color, and presumably are the plans from which those in Frothingham (Richard) Siege of Boston were reproduced.

Massachusetts Historical Society.

1775.—*Continued.*

Same
In Frothingham (Richard) History of the siege of Boston. Boston, Little, Brown & Co., 1849.

Essex Institute, Salem.

Same
3d ed., 1872

New England Historic Genealogical Society.

Same

Frederick L. Gay, Brookline.

Same
In Frothingham (Richard) History of Charlestown. Boston, Little, Brown & Co., 1849.

Essex Institute, Salem.

Same

Frederick L. Gay, Brookline.

Same

In Bunker Hill Memorial Tablets, 1889.

Essex Institute, Salem.

Same. (Both plates.) Engraved for Stedman's History of the American war. London, Author, April 12, 1793.

In Stedman (Charles) History of the American War. London, 1794. Without reference to original.

PAGE, LIEUT.

Action at Bunker Hill. Sheet No. 2 traced in color on Felton Parker & Barker's plan of Charlestown, 1848, by an Engineer in 1849.

Massachusetts Historical Society.

Same. Traced in color at City Surveyor's Office from a survey made in 1875, on Felton Parker & Barker's, Charlestown, 1848.

Massachusetts Historical Society.

Plan of the Battle of Bunker Hill. [Anon.] Size, 19×23 inches. Scale of 300 yards.

Title in pencil. Photographic copy.

Frederick L. Gay, Brookline.

PRANG, LOUIS, AND COMPANY, PUBLISHERS.

Centennial map of the city of Charlestown, 1875. A complete guide to strangers, representing Charlestown as it is to-day in combination with a plan of the Battle of Bunker Hill. Drawn by James E. Stone. L. Prang & Co., Boston. Size, 25×27 inches.

Massachusetts Historical Society.

HUMPHREY, JOHN.

Sketch of the action between the British forces and the American provincials on the heights of the peninsula of Charlestown the 17th of June, 1775. Size, 12×14 inches.

Drawn before the English camps were established on Bunker Hill. It gives a precise exhibition of the places of the different regiments. Photographic copy.

Frederick L. Gay, Brookline.

Major Gen. Howes encampment on Bunker Hill at CharlesT June, 1775. [Anon.] Size, 8×12 inches.

Photographic copy.

Frederick L. Gay, Brookline.

1775.— *Continued.*

Plan of the action which happened 17 June, 1775, at Charlestown, North America. [Anon.] (Lieut. Page?) Size, 9×15 inches.

Photograph of a rough draught in water color drawn after the battle, before the new works were erected by the English. [Faden coll. No. 25.]

Frederick L. Gay, Brookline.

Plan of Charlestown, with the entrenchments and encampment of His Majesty's troops after the action of June 17, 1775. [Anon.] [Faden coll. 27-28.] Size, 14×17 inches.

Photographic copy.

Frederick L. Gay, Brookline.

Same. Without title. Size, 20×30 inches.

Photographic copy.

Frederick L. Gay, Brookline.

Plan of the attack before Charlestown. [Anon.] Size, 11×17 inches.

Numbered in pencil 35. Sketch in ink. Photographic copy.

Frederick L. Gay, Brookline.

MONTRESOR, JOHN.

Plan of the peninsular of Charlestown, showing the three Posts that His Majesty's troops have kept and fortified, with buildings, therein for guard rooms. Boston, 3 Dec., 1775. Size, 12×18 inches. Scale, 900 feet.

Note.— Autograph dedication "to his excellency Major General Howe, Commander in Chief of His Majesty's forces." Photographic copy.

Frederick L. Gay, Brookline.

Sketch of the ground about Charlestown [1775?]. [Anon.] Size, 12×18 inches.

Photographic copy.

Frederick L. Gay, Brookline.

[Plan of the fortifications at Charlestown, 1775.] [Anon. MS.] Size, 4¼×4¼ inches.

Massachusetts Historical Society.

Plan of the heights of Charlestown by R. W. Lieut. R. W. F., Dec. 13, 1775. Faden collection No. 29. Size, 9×14 inches.

Photographic copy.

Frederick L. Gay, Brookline.

[Plan of Charlestown neck, from Malden road to Bunker Hill, showing fortifications, with description. Size, 11×34 inches. Scale, 100 feet to an inch.

On MS. plan showing Middlesex Canal and data as to excavation, etc.

Massachusetts Historical Society.

DE BARRES, JOSEPH FREDERICK WALLET.

[Boston harbour.] London, 1775. Size, 27½×40⅝ inches. Scale (computed), 2,060 feet to an inch.

On same sheet are sailing directions. In Charts of the coast and harbours of New England Composed and engraved by J. F. W. Des Barres, esq., from the surveys taken under the direction of the Lords of trade, by Sam^l Holland, esq., surveyor general of lands, and his assistants who have been employed on that service since the year 1764.

Essex Institute, Salem.

Same

Two copies in edition of 1780, one bearing date of 1781.

Massachusetts Historical Society.

1775. — Continued.

Same
(Loose map without sailing directions), two copies.

John W. Farwell, Boston.

Same. Reproduced in 1870 by A. Meisel. Lith. Size, $27\frac{3}{4} \times 40$ inches.
Scale (computed), 2,112 feet to an inch.

In Shurtleiff (Nathaniel B.) Topographical and historical description of Boston, 1st ed., 1871, end.

American Antiquarian Society.

Same
Essex Institute, Salem.

Same. Havre de Boston. Réduite de la Carte Angloise de J. E. S.
(J. F. W.) Des Barres. Carte particuliere du Havre de
Boston, etc., par M. le Marquis de Chabert (Paris), 1780.

With pencil additions showing fortifications and position of American fleet.

John W. Farwell, Boston.

SAYER, R., & BENNETT, J., PUBLISHERS.

Plan of Boston harbour, from actual survey. Size, $5\frac{3}{16} \times 5\frac{3}{16}$ inches.
Scale (computed), $2\frac{3}{8}$ miles to an inch.

A sub-map to The Seat of War in New England, by an American volunteer. London, R. Sayer & J. Bennett, 1775. The map also contains sub-map, plan of the town of Boston, with the attack on Bunker Hill. In Atlas des Colonies Angloises en Amerique.

Massachusetts Historical Society.

WHEELER AND GRANT.

A plan of the bay and harbour of Boston, surveyed agreeably to the orders and instructions of the right honorable the lord commissioners for trade and plantations. By Messrs. Wheeler and Grant. [1775?] Size, 22×23 inches.

Plan bears note: "The streets of the town of Boston are not surveyed but sketched in from known points." The above were assistants of Sam. Holland, surveyor-general. Photographic copy.

Frederick L. Gay, Brookline.

Boston and Harbour. [Anon.] Size, $10\frac{1}{2} \times 13$ inches.

[Title in pencil.] Photographic copy.

Frederick L. Gay, Brookline.

A new plan of Boston Harbour, from an actual survey. C. Lownes Sculp. Size, $7\frac{1}{2} \times 10\frac{1}{2}$ inches. Scale (computed), 1.8 miles to an inch.

In the Pennsylvania Magazine, Philadelphia, R. Aitken, 1775, vol. 1, p. 241. It has this legend: "N. B. — Charlestown burnt June 17, 1775, by the Regulars."

Massachusetts Historical Society.

SAYER & BENNETT, PUBLISHERS.

The seat of war in New England, by an American volunteer, with the marches of the several corps sent by the colonies towards Boston, with the attack on Bunker Hill. London, R. Sayer & J. Bennett, 1775. Size, $14\frac{3}{4} \times 17$ inches. Scale (computed), $7\frac{1}{2}$ miles to an inch.

Contains sub-maps: 1, Plan of Boston harbour; 2, Plan of the town of Boston with the attack on Bunker Hill. In Atlas des Colonies Angloises en Amerique,

Massachusetts Historical Society.

Same. Reproduction.
In Green (Samuel A.) Ten fac-similes relating to New England. Boston, 1902.

Essex Institute, Salem.

Same (colored). Sayer & Bennett, publishers.

The sub-maps are missing.

Massachusetts Historical Society.

1775.—Continued.

ROMANS, BERNARD.

"To the Hon^l Jn^o. Hancock Esq. President of ye Continental Congress This Map of the Seat of Civil War in America is respectfully inscribed by his most obedient humble servant B. Romans." Size, $14\frac{3}{8} \times 17\frac{1}{2}$ inches. Scale (computed), 5 miles to an inch.

Bounds Beverly, Wachusett Hills, Volentown and Sandwich, with sub-map, Plan of Boston and its environs, 1775, and a view of the lines thrown upon Boston Neck by the Ministerial army.

Frederick L. Gay, Brookline.

Same

This copy has been colored by hand.

Massachusetts Historical Society.

1776

Plan of Boston. Size, $5\frac{1}{8} \times 5\frac{1}{2}$ inches. Scale (computed), 2,087 feet to an inch. Sub-map, Provincial camp. Size, $2\frac{3}{8} \times 2\frac{3}{8}$ inches.

In Bickerstaff's New England Almanac for 1776. Printed by Robertson & Trumbull, Norwich, Froot. **4489.48.76

Boston Public Library.

Plan de Boston. Size, $5\frac{3}{4} \times 7$ inches.

In Geschichte der kriege in und ausser Europa. [Anon.] 4^o. Nürnberg, 1776. Pt. I.

Harvard College Library.

Same (loose map)
Dr. James B. Ayer, Boston.

[Plan of Boston and vicinity.] [Anon. MS.] Size, $6\frac{1}{2} \times 6\frac{1}{2}$ inches.

Bears note: "The number of troops comprising the two armies is given—the American 20,000, the British 8,000."

Massachusetts Historical Society.

The town and harbor of Boston in New England. Size, $4\frac{1}{2} \times 6$ inches. Scale, 2 miles to an inch.

Sub-map to A new map of North America. London, R. Marshall, 1776.

Massachusetts Historical Society.

A chart of the harbour of Boston, with the soundings, sailing marks and other directions. [Anon.] Size, $20\frac{3}{8} \times 34$ inches. Scale (computed), 2,320 feet to an inch.

In Part the Second of the North American Pilot for New England, etc. Drawn from original surveys taken by Capt. John Gascoigne, Joshua Fisher, James Blamey and other officers and pilots of His Majesty's service. London. Printed and sold by R. Sayer and J. Bennett, 1776. Shows stepping stones to Castle Island.

Essex Institute, Salem.

Same

In A new and much enlarged edition of the North American Pilot. London, R. Laurie and J. Whittle, 1800.

Massachusetts Historical Society.

Same (loose map)
Essex Institute, Salem.

Same (loose map)
Massachusetts Historical Society.

BEAURIN, CHEVALIER DE.

Carte du porte et havre de Boston, avec les côtes adjacentes dans laquel on a tracée les camps et les retrenchmens occupée, tant par les Anglois que par les Americains. Par le Ch^r. de Beaurain, 1776. (Colored.) Size, 19×27 inches.

In Atlas des colonies Angloises Amerique.

Massachusetts Historical Society.

1776. — Continued.

DES BARRES, JOSEPH FREDERICK WALLET.

[Boston bay.] From surveys by Samuel Holland. Published Nov^r. 13, 1776. Size, $28 \times 39\frac{3}{8}$ inches. Scale (computed), .76 miles to an inch.

(In Des Barres' Atlantic Neptune, Vol. 2, Part 2. London, 1777.)

Note.—See Winsor (Justin) Memorial History of Boston. Vol., III., p. vi.

Essex Institute, Salem.

Same
In Charts of the coasts and harbours of New England. London, 1781.

Essex Institute, Salem.

Same
Massachusetts Historical Society.

Same
In Atlantic Neptune, London, Dec. 1, 1781; Charts of the coast and harbours of New England for the use of the Royal Navy of Great Britain, London, 1780.

Massachusetts Historical Society.

177—

Plan of the Sea Coast from Boston Bay to the Light House, near Rhode Island. Size, 26×24 inches.

Photographic copy.

Frederick L. Gay, Brookline.

1777

PALMER, J.

Plan of Boston harbour, lower part. Size, $19\frac{1}{2} \times 30$ inches. Scale, 50 rods to an inch.

Maps and plans, Vol. 52, p. 10.

The plan bears the legend: This plan of the lower part of Boston harbour, with the parts adjacent, constructed from actual surveys and observations. Inscribed to the honorable general court of Massachusetts Bay, by their humble servant. Boston, 10th March, 1777. J. Palmer.

Massachusetts State Archives.

PALMER, J.

Plan of Fort Independence at Hull, with profile. Inscribed to the general court of Massachusetts Bay, Feb. 27 [1777]. Size, $19\frac{1}{2} \times 28$ inches. Scale, 30 feet to an inch.

Maps and plans, Vol. 54, p. 22.
Massachusetts State Archives.

1778

Carta rappresentante il Porto di Boston. [Anon.] Size, 7×8 inches.

From Atlante dell'America. [Anon.] Livorno, 1778, No. 3. Photographic copy.

Frederick L. Gay, Brookline.

1782

CONDER, T.

Plan of the town and harbour of Boston. Engraved by T. Conder for Millar's new complete system of geography. London, 1782. Size, $3 \times 3\frac{3}{4}$ inches. Scale (computed), 2 miles to an inch.

On a loose map which contains various plans and draughts of cities, towns, harbours, etc.

Frederick L. Gay, Brookline.

A new and accurate chart of the harbour of Boston, in New England, in North America, published as the act directs, by J. Bew, London. J. Lodge, sc. Size, $6\frac{3}{8} \times 8\frac{5}{8}$ inches. Scale (computed), 2 miles to an inch.

In Political magazine, London, J. Bew, 1782. Vol. 3, p. 628.

*7299.13

Boston Public Library.

1782. — Continued.

[Côte de York-town à Boston. [Différent camps de l'armée de York-town à Boston. (Anon.) fold. n. p. 1782.] [Rochambeau: 64.] Size, $10\frac{1}{2} \times 36\frac{1}{2}$ inches.

Photographic copy.

Frederick L. Gay, Brookline.

[Côte de York-town à Boston. Marches de l'armée (Anon.) 1782.] [Rochambeau: 65.] Size, 17×65 inches.

Photographic copy.

Frederick L. Gay, Brookline.

1784

[Plan of Boston market, showing places for 56 carts, 120 paniards, 120 horses. Anon. MS.] Size, $13\frac{1}{2} \times 18\frac{1}{2}$ inches. Scale, 20 feet to an inch.

Maps and plans, Vol. 49, p. 31.
Massachusetts State Archives.

1786

POPE, JOHN.

A plan of the creek south of Lamb's dam, being the nearly obliterated part of the line dividing the towns of Boston and Roxbury, with a proposed direct line for a substitute in lieu of said creek. Done according to the direction of the Selectmen of the two towns. [MS.] Size, $18\frac{3}{4} \times 19\frac{3}{8}$ inches. Scale (computed), 71 links to an inch.

Vol. 48, p. 61
Engineering Department (Surveying Division).

Same Maps and plans, Vol. 25, p. 5.
Massachusetts State Archives.

BELKNAP, JEREMY.

Sketch plan of the part of Boston that was overrun by the fire of April, 1787. Size, $7\frac{1}{4} \times 9\frac{1}{4}$ inches.

Manuscript.

Massachusetts Historical Society.

Same. Size, 5×7 inches.

Reproduction in Brayley (Arthur Wellington) History of the Boston Fire Department, 1889, p. 91.

New England Historic Genealogical Society.

1788

[Plan of Charles River Bridges. Anon. MS.] Size, $7\frac{1}{2} \times 12$ inches.
Maps and plans Vol. 39, p. 14.

From Senate files of 1788, 87th.

Massachusetts State Archives.

1789

Plan of the Town of Boston. Size $6\frac{1}{2} \times 8\frac{1}{2}$ inches. Scale (computed), 1,050 feet to an inch.

In Boston Directory, 1789 (first published in Boston), printed and sold by John Norman at Oliver's Dock. In original covers, and has omissions only, p. 66. The map appears to be re-engraved, with corrections and additions to date, from the Boston Magazine map of 1784.

Sampson, Murdock & Co.

Same

In Directory, rebound in original covers, with errors and omissions, ten in number, pasted on fly-leaf.

William C. Shillaber, Boston.

Same

In Directory, in original covers, with errors and omissions, ten in number, pasted on fly-leaf. One-third of map is missing.

Charles H. Tyler, Boston.

Same

In Directory, in original covers, with errors and omissions, fifteen in number.

E. F. Brown, Salem.

Plan of the Town of Boston. Size, $5\frac{1}{2} \times 9$ inches. Scale (computed), 1,050 feet to an inch.

In Boston Directory, 1789, same as above, rebound with original covers. Omissions only, p. 56. This is a slightly different map in size and detail. Green lane and word in lower left-hand border having been erased from plate, and Allen L., Bennet street and Harvard street not appearing in name. Both show Eliot street, which was laid out in 1788 from Orange street to Pleasant street.

Bostonian Society.

Same

In Directory, original covers, omissions only.

Frederick L. Gay, Brookline.

Same

In Directory, original covers, errors and omissions, ten in number, pasted on fly-leaf.

Overseers of Poor, Boston.

Same

Inserted in Directory, rebound, original covers, omissions only.

Essex Institute, Salem.

1790

Plan of the draws in the bridge between Boston and Charlestown.

Maps and Plans Vol. 39, p. 29

Shows toll-house and data concerning bridge. To accompany petition relative to bridge.

Massachusetts State Archives.

1791

Charles River (Lower Falls to Dedham). Profile of river bottom and banks.

Maps and plans, Vol. 39, p. 11.

Senate files No. 1458-2.

Massachusetts State Archives.

1794

KINGSBURY, JONATHAN.

A plan of the Township of Brookline in the County of Norfolk, a survey thereof taken in y^e year 1794 and laid down by a scale of 200 rods to an inch agreeable to a resolve of the General Court passed in June 1794. Size, $10\frac{1}{2} \times 16$ inches. Manuscript.

Maps of 1794, Vol. 7, p. 9.

Massachusetts State Archives.

THOMPSON, SAMUEL.

A plan of Cambridge. Samuel Thompson, surveyor. [MS.] Size, $10\frac{1}{2} \times 16\frac{1}{2}$ inches. Scale, 200 rods to an inch. Maps of 1794, Vol. 9, p. 5.

The plan contains the note: "begun the survey the last day of October, 1794, and finished in April following." Little Cambridge [Brighton] contains 2,600 acres.

Massachusetts State Archives.

1794. — *Continued.*

BELKNAP, JEREMY.

Sketch plan of the part of Boston between Washington street and Fort Hill, showing the new Tontine Crescent, and the region over-run by the fire of July 30, 1794. Size, $12\frac{1}{2} \times 15$ inches. Manuscript. *Massachusetts Historical Society.*

1795

PERKINS, CHARLES CARROLL.

Plan of Boston proper, showing changes in street and wharf lines, 1795 to 1895. Made under the direction of Pierre Humbert, Jr., city surveyor. Boston, 1895. Geo. H. Walker & Co., lith., Boston, 1895. Size, $20\frac{3}{8} \times 36\frac{9}{8}$ inches. Scale, 400 feet to an inch.

The original manuscript of this map is in the Engineering Department, Surveying Division. In Engineer's annual report for 1895. City Doc. 10, 1896, p. 58.

City Clerk's Office.

Same

Two copies; one in folder, marked Boston for 100 years; presented by Chas. C. Perkins.

Massachusetts Historical Society.

1796

CARLETON, OSGOOD.

A plan of Boston from actual survey, by Osgood Carleton. Engraved by Joseph Callender. Size, $8\frac{1}{8} \times 14\frac{1}{8}$ inches. Scale (computed), 800+ feet to an inch.

In Second Boston Directory. Boston, John West, 1796. Front.

Massachusetts State Library.

Same

Essex Institute, Salem.

"

Massachusetts Historical Society.

"

Frederick L. Gay, Brookline.

Same

In Boston Directory. Boston, John West, 1798.

Charles H. Tyler, Boston.

Same

In Boston Directory. Boston, John West, 1800.

Massachusetts State Library.

Same

Massachusetts Historical Society.

"

Charles H. Tyler, Boston.

CAREY, MATTHEW.

The state of Massachusetts, compiled from the best authorities by Samuel Lewis eng. for Cary's American edition of Guthrie's geography. Improved by J. T. Scott. Size, $8\frac{1}{2} \times 13\frac{1}{2}$ inches. Scale (computed), American miles 10 to an inch.

In Carey (Matthew) General atlas. Phila., May 1, 1796, p. 28.

Essex Institute, Salem.

REID, J.

The state of Massachusetts, from the best authorities. 1796. Size, $13\frac{1}{2} \times 17\frac{1}{2}$ inches. Scale (computed), 10.6 miles to an inch.

In Reid (J.) American Atlas. New York, 1796.

Essex Institute, Salem.

1797

HOLMAN, SILAS, JUN.

Plan of roads, from actual survey, from Boston to Ashford in Connecticut, pursuant to act of General Court, Feb. 1797, as to shortening the way. [MS.] Size, 30×97 inches. Scale, 200 rods to an inch. 1464 Roll.

Massachusetts State Archives.

1800

LAURIE, ROBERT, AND JAMES WHITTLE.

A new and accurate chart (from Capt. Holland's surveys) of the North American coast, for the navigation, between Cape Cod in New England, and the Havauna in the gulf of Florida. Respectfully inscribed to the honourable Thomas Jefferson, vice-president of the United States of North America, by his most obedient humble servants R^t. Laurie & James Whittle. London, 1800. Size, 30½×118 inches. Scale (computed), 3 $\frac{6}{10}$ leagues to an inch.

Essex Institute, Salem.

HOLMAN, SILAS.

Charlestown Bridge to Jeffery, N. H., Road from. Silas Holman, Surveyor. 1564 Roll.

Massachusetts State Archives.

Plan showing the old channels, flats and boundary lines between Boston, Roxbury, Dorchester, and Cambridge. [Anon. 1800?] Size, 23½×34 inches. Scale, 100 feet to an inch. Vol. 20, p. 89.

Engineering Department (Surveying Division).

1801

TAYLOR, WILLIAM.

A plan of a survey of Noddle's island. Taken for David Greenough by William Taylor, 1801. Size, 7½×10½ inches. Scale (computed), 1,000 feet to an inch.

In Sumner (William) History of East Boston. Boston, J. E. Tilton & Co., 1858.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

1802

TAYLOR, WILLIAM.

[Plan showing the upper and lower routes, with milestones, from Boston, at the Roxbury line, to Milton and Quincy. MS.] William Taylor, 1802. Size, 20¼×34½ inches. Scale, 20 chains to an inch.

Maps and plans, Vol. 54, p. 21.

Massachusetts State Archives.

1803

CARLETON, OSGOOD.

A plan of Boston from actual survey by Osgood Carleton. S. Hill, Sc. Size, 8½×14½ inches. Scale (computed), 800 feet to an inch.

In Boston Directory. John West, 1803.

Massachusetts State Library.

Same *Charles H. Tyler, Boston.*

1803. — Continued.

Same. Reproduced by the Photo-electrotype Co. [Boston]. 1885.
Size, $7\frac{1}{2} \times 13$ inches. Scale (computed), 825 feet to an inch.

In 10th report of Record Commrs. Reprint of 1796 directory, end.

*6350.41.10

An 1803 map was reproduced for this reprint on account of its "being the most serviceable one (W. H. W.)."

Boston Public Library.

Same
Essex Institute, Salem.

"
New England Historic Genealogical Society.

"
Frederick L. Gay, Brookline.

Same

In Hales' street lines of Boston, reproduced in fac-simile (by the Photo Electro-Engraving Co.) and published by the city registrar (William H. Whitmore). 2 vol. in 1, fol., Boston, Rockwell & Churchill, 1894.

Massachusetts Historical Society.

NORMAN, WILLIAM.

A plan of Boston harbour, from Holland's actual survey. Size, $9\frac{1}{2} \times 11\frac{1}{2}$ inches.

Sub-map to a chart of the coast of New England from the south shoal to Cape Sable, including George's bank. From Holland's actual surveys. Published and sold by William Norman, Boston. In the American Pilot. Boston, William Norman, 1803.

NORMAN, WILLIAM.

[Chart of the] Coast of New England [from Ipswich bay to New York]. Size, 37×53 inches.

In the American Pilot. Certified to by Osgood Carleton, teacher of Mathematics, Boston, Sept. 10th, 1794. Published according to Act by William Norman, Boston, 1803.

Essex Institute, Salem.

1804

TUFTS, PETER, JUN.

A plan of the streets from Charlestown bridge to Boston market and line across the Mill pond. Scale, 10 rods to an inch.

Maps and plans, Vol. 61, p. 1.

Massachusetts State Archives.

CARLETON, OSGOOD.

[Plan showing the road from the Old State House, through South Boston and Roxbury to Dorchester, MS.] Size, 31×60 inches. Scale, 20 rods to an inch.

1684 Roll.

Massachusetts State Archives.

TAYLOR, WILLIAM, AND MATHER WITHINGTON.

[Plan showing from Boston neck to Randolph, MS.] W. Taylor-M. Withington. Comparison of surveys. Size, 23×48 inches. Scale, 200 rods to an inch.

1690 Roll.

Massachusetts State Archives.

BLUNT, EDWARD M.

Boston bay. Size, $3\frac{1}{2} \times 7\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.

In Blunt (Edward M.) American Coast Pilot. Newburyport, 1804. 4th ed., p. 153. Four copies.

Essex Institute, Salem.

1805

CARLETON, OSGOOD.

A plan of Boston from actual survey, by Osgood Carleton. Size, $8\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale (computed), 800 feet to an inch.

In the Boston Directory, 1805, and is the same plate, with alterations, as the one published in 1803.

Essex Institute, Salem.

Same *Massachusetts Historical Society.*

" *Charles H. Tyler, Boston.*

South Boston lands and owners, from a drawing made shortly after annexation. Size, $2\frac{1}{2} \times 4\frac{1}{2}$ inches.

In Toomey (John J.) (Edward P. B.) Rankin History of South Boston, 1901, p. 106.
4452.155.

Boston Public Library.

1806

A plan of Boston. Size, $8\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale (computed), 800 feet to an inch.

In Boston Directory, 1806.

Massachusetts State Library.

Same *Massachusetts Historical Society.*

1807

Same

In Boston Directory, 1807.

Massachusetts State Library.

Same *Essex Institute, Salem.*

" *Massachusetts Historical Society.*

TAYLOR, WILLIAM.

[Plan showing roads from the Old State house, through Cambridge, to Brighton meeting house.]

Maps and plans, Vol. 69, p. 7.
Massachusetts State Archives.

1808

[Plan showing roads in Charlestown, Cambridge, and north end of Boston in connection with Middlesex canal. Anon.] Size, $9\frac{1}{8} \times 16$ inches.

Maps and plans, Vol. 42, p. 23.
Massachusetts State Archives.

1809

COTTON, EDWARD, PUBLISHER.

Map of Boston. [New plate.] Size, $8\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale, 800 feet to an inch.

In Boston Directory, 1809. Printed by Munroe, Francis & Parker. Boston, Edward Cotton, 1809.

Overseers of the Poor, Boston.

1809. — Continued.

Same *Massachusetts State Library.*
 " *Charles H. Tyler, Boston.*

BLUNT, EDWARD M.

Boston Bay. Size, $3\frac{3}{4} \times 7\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.

In Blunt (Edward M.) American Coast Pilot. 6th ed.

Essex Institute, Salem.

Same

In 7th edition. New York, 1812.

Essex Institute, Salem.

1810

Plan of Boston. Size, $8\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale, 800 feet to an inch.

In Boston Directory, Boston, 1810.

Massachusetts Historical Society.

Same *Essex Institute, Salem.*

ROGERS, J.

[South burying ground.] J. Rogers [1810?] [MS.] Size, $21\frac{1}{2} \times 28\frac{1}{2}$ inches. Scale (computed), 15 feet to an inch.

Cemetery Department, Boston.

CARLETON, OSGOOD.

[Plan of canal to connect the waters on the east and west sides (Castle street and Dedham street). MS.] Size, $11\frac{1}{4} \times 24\frac{1}{2}$ inches.

Scale, 80 feet to an inch.

Maps & Plans, Vol. 69, p. 6
Massachusetts State Archives.

THOMPSON, SAMUEL.

A plan of Brighton, drawn from a survey taken by Samuel Thompson esq^r. of Woburn, and plotted from a scale of 40 rods to an inch, by Peter Tufts jun., November 3rd. 1810. [MS.] Size, $25\frac{3}{8} \times 39\frac{3}{8}$ inches.

Webster F. Warren, Brighton.

Same A-144

Tracing (on cloth) of the above, made in the City Engineer's office, March 18, 1904. Also a blue print of same, backed with cloth.

Engineering Department (Surveying Division).

1812

LAMBERT, SAMUEL.

A new chart of Massachusetts bay, drawn from the latest authorities by Samuel Lambert, Salem, 1812. Entered according to act of Congress, June 29, 1812, by Cushing & Appleton & S. Lambert, of the State of Massachusetts. Size, $22\frac{1}{2} \times 32\frac{1}{2}$ inches. Scale (computed), $3\frac{1}{10}$ nautical miles to an inch.

Shows Boston harbor with considerable detail. Four copies.

Essex Institute, Salem.

1813

COTTON, EDWARD, PUBLISHER.

Plan of Boston. Size, $8\frac{3}{4} \times 14$ inches. Scale (computed), 800 feet to an inch.

In Boston Directory, 1813. Printed by E. G. House, July, 1813. Boston, E. Cotton, 1813.

*Massachusetts State Library.*Same *Massachusetts Historical Society.*" *Charles H. Tyler, Boston.*

BLUNT, EDWARD M.

Blunt's new chart of the north eastern coast of North America, extending from Lat. $39^{\circ} 30'$ h. Long. $74^{\circ} 18'$ N. to Lat. 45° h. Long. 66° W. Samuel Harrison, Sect., Phila. New York, published as the act directs, June, 1813. Size, $27\frac{1}{2} \times 46\frac{1}{4}$ inches. Scale (computed), 14 miles to an inch.

Shows Boston harbor with considerable detail.

Essex Institute, Salem.

1814

HALES, JOHN GROVES.

Map of the City of Boston in the State of Massachusetts, by J. G. Hales, Geogr. & Surveyor [Boston], 1814. J. R. Penniman Del. Engraved by T. Wightman, Jr. Size, 28×36 inches. Scale (computed), 90+ yards to an inch.

The wards shown in color. Contains a sub-map, showing from the Neck to Roxbury line.

Samuel S. Shaw, Boston.

Same. Reissued. Boston, A. Williams & Co., 1879.

*John W. Farwell, Boston.*Same. Reproduction of the Williams reprint. Boston, Photo-Electro Engraving Co. [1894.] Size, $37\frac{1}{2} \times 47\frac{1}{2}$ inches. Scale (computed), 69+ yards to an inch.*Massachusetts Historical Society.*Same. [In sixteen sheets.] Size of each, 10×12 inches.

In Hales' maps of the street lines of Boston, made for the selectmen in 1819-1820. Reproduced by the Photo-Electro Engraving Co., and published by the city registrar (William H. Whitmore), 2 vol. in 1 fol. Boston, Rockwell & Churchill, 1894.

Massachusetts Historical Society.

1815

BLUNT, EDWARD M.

Boston Bay, 1815. Size, $3\frac{1}{2} \times 7\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.In Blunt (Edward M.) American Coast Pilot, 1817. 9th ed.*Essex Institute, Salem.*

1816

COTTON, EDWARD, PUBLISHER.

Map of Boston. Size, $8\frac{3}{4} \times 14\frac{1}{4}$ inches. Scale, 800 feet to an inch.

In Boston Directory, 1816. Printed by James Loring. Boston, Edward Cotton, 1816.

Massachusetts Historical Society.

1816. — *Continued.*

Boston and adjacent country. Size, $3\frac{1}{8} \times 5\frac{1}{2}$ inches. Scale (computed), 5 miles to an inch.

In Melish (John) A geographical description of the United States. Phila., 1816. Published by the author, opp. p. 60. This copy was presented to James Madison by John Melish. 2388.13

Boston Public Library.

Same

In Melish (John) A geographical description of the United States. Philadelphia. T. H. Palmer, printer, 1816, opp. p. 62. 2388.13

Boston Public Library.

Same, drawn by John Melish. B. Tanner, Sc. Size, $3\frac{3}{4} \times 7\frac{5}{8}$ inches.

In Travellers' manual and description of the United States. New York. Published by A. S. Goodrich, 1831, opp. p. 97. 4466.54

Boston Public Library.

1817

WADSWORTH, ALEX^r. S.

Chart of Boston Harbor. Surveyed in 1817 by Alex^r. S. Wadsworth, U. S. N., by order of Com^e. William Bainbridge, to whom it is most respectfully inscribed. Allen & Gaw, Sc. Philadelphia, John Melish, 1819. Size, $35\frac{1}{8} \times 41$ inches. Scale, 1,500 feet to an inch.

Shows topography of land near shore line, flats and surroundings.

Essex Institute, Salem.

SNELLING, JOHN W.

Plan of the new burial ground, north district, Boston. Taken, Sept. 25, 1817, by John W. Snelling. [MS.] Size, $9 \times 10\frac{3}{8}$ inches. Scale, none.

An addition to the original lot.

Cemetery Department, Boston.

1818

A geological map of Boston and its vicinity. Engraved for Dana's Outlines of mineralogy and geology of Boston. Annin & Smith, Sc. Size, $12\frac{1}{8} \times 13\frac{3}{8}$ inches.

Bounds Beverly, Billerica, Dover, Cohasset.

Dr. James B. Ayer, Boston.

TUFTS, PETER, JUN.

Plan of Charlestown peninsula in the state of Massachusetts from accurate survey by Peter Tufts, 1818. Engraved by Annin & Smith. Size, $17 \times 20\frac{3}{8}$ inches. Scale (computed), 400 feet to an inch.

Massachusetts Historical Society.

TUFTS, PETER, JUN.

A plan of Charlestown Neck drawn from a scale of 200 feet to an inch by Peter Tufts, Jr. Charlestown, Sept. 5, 1818. Size, $13 \times 28\frac{3}{8}$ inches. Maps and Plans, Vol. 42, p. 29.

A manuscript copy by Geo. W. Brown, from original in possession of New England Historic Genealogical Society.

Massachusetts State Archives.

1819

HALES, JOHN GROVES.

Map of Boston and its vicinity from actual survey by John G. Hales. Edwin Gillingham, Sc. Boston, John G. Hales; Philadel-

1819. — *Continued.*

phia, J. Melish, 1819. Size, $24\frac{3}{4} \times 30\frac{1}{4}$ inches. Scale, 1 mile to an inch.

Shows territory around Boston, from Beverly on the northeast to Acton on the northwest; to and including Medfield on the southwest to Scituate on the southeast. Some of the towns seem to have been tinted around the edges. This is the only edition which has a single north point. (Three copies.)

Essex Institute, Salem.

HALES, JOHN GROVES.

Plans and records of the streets, lanes, courts, places, etc., in the town of Boston. Taken from actual survey under the direction of the honorable board of selectmen in the year 1819, by their most humble servant, John G. Hales, Boston. Fac-simile reproduction of manuscript in possession of City Engineer, by the City Registrar, Boston, Rockwell & Churchill, 1894. (2 vols in 1. 8° 285 pp. L. f°)

Massachusetts Historical Society.

1820

HALES, JOHN GROVES.

Map of Boston and its vicinity. From actual survey by John G. Hales. Edward Gillingham, Sc. Boston, John G. Hales, 1820. (Colored.) Size, $24\frac{3}{4} \times 30\frac{1}{4}$ inches. Scale, 1 mile to an inch.

For note giving amount of territory covered see edition of 1819.

Massachusetts Historical Society.

Same *Frederick L. Gay, Brookline.*

1821

Plan of Boston. Size, $8\frac{3}{4} \times 14\frac{1}{4}$ inches. Scale (computed), 800 feet to an inch.

In Boston Directory. Boston, John H. A. Frost and Charles Stimpson, Jr., 1821.

Massachusetts State Library.

HALES, JOHN GROVES.

[Map of the] Mill Dam. Size, $5\frac{3}{16} \times 6\frac{1}{16}$ inches. Scale (computed), 1,985 feet to an inch.

In Hales (John Groves) survey of Boston, p. 24. Boston, 1821.

Frederick L. Gay, Brookline.

BLUNT, EDWARD M.

Plan of Boston harbour. Size, $3\frac{3}{4} \times 7$ inches. Scale (computed), $1\frac{6}{10}$ miles to an inch.

Sub-map to Blunt's new chart of the northeastern coast of North America, extending from Lat. $37^{\circ} 20' N.$, Long. $75^{\circ} 20' W.$, to Lat. $47^{\circ} 55' N.$, Long. $62^{\circ} 51' W.$ New York, William Hooker, 1821 (two copies).

Essex Institute, Salem.

1822

Plan of Boston [col.]. Size, $8\frac{3}{4} \times 14\frac{1}{4}$ inches. Scale (computed), 800 feet to an inch.

In Boston Directory, 1822.

Massachusetts State Library.

Same *Charles H. Tyler, Boston.*

1822. — *Continued.*

BLUNT, EDWARD M.

Boston bay. Published by Edward M. Blunt for W. Hooker, New York, 1822. J. Seymour, printer. Size, $3\frac{3}{4} \times 7\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.

In Blunt (Edward M.) American Coast Pilot, 10th ed., face p. 164 (five copies).

Essex Institute, Salem.

LAMBERT, SAMUEL.

A new chart of Massachusetts bay and part of the coast of Maine. Drawn from the latest authorities by Samuel Lambert, hydrographer, Salem, 1822. Entered according to Act of Congress, Feb. 11th, 1822, by Cushing & Appleton, and Samuel Lambert of Massachusetts. Size, $22\frac{3}{4} \times 33\frac{3}{4}$ inches. Scale, 4 miles to an inch (eight copies).

Essex Institute, Salem.

1823

MORSE, SIDNEY E.

Plan of Boston and its vicinity, W. & S. S. Jocelyn, Sc. Size, $2\frac{1}{2}$ inches diameter.

Sub-map to map of Massachusetts, Rhode Island and Connecticut. In Morse (Sidney E.) Atlas of the United States. New Haven, 1823.

Massachusetts Historical Society.

ROGERS, J.

Plan of the Central burial ground, 1823. J. Rogers. [MS.] Size, $21\frac{1}{2} \times 30\frac{3}{4}$ inches. Scale, 15 feet to an inch.

Cemetery Department, Boston.

Same. Plan of the Granary burial ground, 1823. J. Rogers. Copy and addition of estates on Park street, made Jan. 1st, 1874. Size, 25×39 inches. Scale, 15 feet to an inch.

Cemetery Department, Boston.

Same (tracing). Copied July 19, 1879, by W. M. Coombs.

Cemetery Department, Boston.

Same. Plan of Chapel burying ground, 1823. J. Rogers. [MS.] Size, 21×30 inches. Scale (computed), 10 feet to an inch.

Cemetery Department, Boston.

Same. Size, $18\frac{3}{8} \times 26\frac{1}{2}$ inches. Scale, 10 feet to an inch.

Cemetery Department, Boston.

1824

BOWEN, ABEL.

Plan of Boston in 1824. A. Bowen, Sc. Size, $3\frac{9}{16} \times 5\frac{1}{2}$ inches. Scale (computed), 1,775 feet to an inch.

The map is divided into squares, which are lettered. Streets are numbered, names corresponding to same on the opposite page. Ward lines are shown; also the ancient high-water line.

Massachusetts Historical Society.

BLUNT, EDWARD M.

Plan of Boston harbour. Size, $3\frac{3}{4} \times 7$ inches. Scale (computed), $2\frac{1}{10}$ nautical miles to an inch.

Sub-map to Blunt's new chart of the northeastern coast of North America, extending from Lat. $37^{\circ} 20' N.$, Long. $75^{\circ} 20' W.$ to Long. $47^{\circ} 55' N.$, Long. $62^{\circ} 5' W.$ Printed, published and sold by William Hooker, successor to E. M. Blunt. N. Y., 1821. Additions from a survey in 1822-23-24.

Essex Institute, Salem.

1825

FULLER, STEPHEN PALMER.

Boston-Brookline, Jan. 11, 1825. Size, $11\frac{3}{4} \times 18\frac{1}{2}$ inches. Scale, 200 feet to an inch. [MS.] Maps and plans, Vol. 29, p. 21.
Shows milldam and portions of Boston, Roxbury, Brookline.

*Massachusetts State Archives.*South Boston, size, $2\frac{1}{2} \times 4\frac{1}{2}$.

In Toomey (John J.) (Edward P. B.) Rankin History of South Boston, 1901, p. 138.
4452.155

Boston Public Library.

1826

BALDWIN, LOANMI.

Plan of a survey of a canal from Boston to Connecticut river, with a sketch of a proposed water route to the Hudson. Made under the direction of the Commissioners. R. Baldwin, Del. Annin & Smith, Eng. Size, 8×57 inches. Scale, $2\frac{1}{2}$ miles to an inch.

Massachusetts Historical Society.

BLUNT, E. & G. W., PUBLISHERS.

Boston harbour. From the survey of A. S. Wadsworth, esq., U. S. N., and the chart of Des Barres. Drawn by E. Blunt. Printed by W. Hooker. New York. E. & G. W. Blunt, 1826. Size, $8 \times 10\frac{1}{2}$ inches. Scale (computed), 1.33 miles to an inch.

In Blunt's American Coast Pilot, 1826.

Essex Institute, Salem.

1827

Plan showing fortifications on Williams island, Governor's island, Castle island (City Point?), Island wharf and docks (about opposite India Wharf in South Boston flats), relative to petition of Seward Porter. Size, $8\frac{1}{2} \times 13\frac{1}{2}$ inches. Maps and plans, Vol. 42 p. 21.

See Senate Doc. ⁸⁴³⁰, 1827.*Massachusetts State Archives.*

BLUNT, E. & G. W.

Boston harbor, from the survey of A. S. Wadsworth esq. U. S. N. and the chart of Des Barres. Drawn by E. Blunt. Engraved by Hatch Lrs. & Frs. D. R. Harrison, New York, Edmund and George W. Blunt, Gray & Bruce, printers, Sept. 1827.

In the American Coast Pilot, 11th ed. opp. p. 60 (two copies).*Essex Institute, Salem.*

1828

BOWEN, ABEL.

Plan of Boston, 1828. Size, $3\frac{3}{8} \times 5\frac{1}{8}$ inches.

In Bowen (Abel) Picture of Boston, 1829.

Frederick L. Gay, Brookline.

THRALL, WILLIS, PUBLISHER.

Plan of Boston and its vicinity. Size, $2\frac{1}{2}$ inches in diameter.

Sub-map to map of the United States, compiled from the most authentic surveys. Hartford, Willis Thrall, 1828.

Essex Institute, Salem.

HAYWARD, JAMES.

Plan of a survey for the proposed Boston and Providence railroad. By James Hayward, January, 1828. Annin & Smith, engravers. Size, $7\frac{1}{2} \times 42$ inches. Scale, 1 mile to an inch.

In Senate Doc., Nov. 4, 1828. Report of the board of commissioners of internal improvement in relation to the examination of sundry routes for a railway from Boston to Providence. Boston, Dutton & Wentworth, printers to the State, 1828.

Massachusetts State Library.

1828. — *Continued.*

Same (loose map) $\frac{p}{r}$ Maps and Plans, Vol. 62, p. 10.
Massachusetts State Archives.

HAYWARD, JAMES.

A plan of surveys for a canal from Boston to Blackstone, Thompson and Connecticut river. Surveyed by James Haywood, 1828. Eddy, del. Pendletons lith. Boston. Variation $7^{\circ} 17'$ W. Size, $11\frac{1}{2} \times 31$ inches. Scale, 2 miles to an inch.

In Senate Doc. 19, 1829. Report of the commissioners of internal improvement in relation to a survey for a route for a canal from Boston to the Blackstone canal and thence to the line of Connecticut, etc. Boston, True & Green, State printers, 1829.

Massachusetts State Library.

BLUNT, EDMUND.

Boston harbour, from the survey of A. S. Wadsworth and the chart of Des Barres. Size, $8 \times 10\frac{1}{2}$ inches. Scale (computed), $1\frac{1}{10}$ miles to an inch.

Sub-map to "The northeastern coast of North America, from New York to Cape Canso. By Edmund Blunt. Ely, Ser. Engraved by D. R. Harrison. Entered according to Act of Congress the 22^d day of July, 1828, by Edmund Blunt of the State of New York." Size, $37\frac{1}{2} \times 60\frac{1}{2}$ inches. Scale (computed), $14\frac{1}{10}$ miles to an inch.

Essex Institute, Salem.

BLUNT, EDMUND.

Plan du havre de Boston, dressé d'après les travaux de Mr. A. S. Wadsworth officier de la marine des Etats-unis. Size, $7\frac{1}{2} \times 9\frac{1}{2}$ inches. Scale (computed), $1\frac{1}{10}$ marine miles to an inch.

Sub-map to Carte de la côte orientale, de l'Amerique Septentrionale, partie comprise entre la baie de Gaspée et New York. Dressée d'après les cartes publiées en 1828 par l'hydrographe américain, E. Blunt. Publiée par ordre du roi, sous le ministère de M. le Comte de Rigny, vice amiral, secrétaire d'état au département de la marine et des colonies, au dépôt-général de la marine en 1834. Ecrit par J. M. Haq. Gravé par Chassant. Size, $22 \times 33\frac{1}{2}$ inches. Scale (computed), 38.8 miles to an inch.

Dr. James B. Ayer, Boston.

1831

BAKER, EDMUND T.

A map of the towns of Dorchester and Milton taken under the direction of the Selectmen of the respective towns, as the towns committees for procuring correct plans of their territories to be returned into the secretary's of States office agreeable to the laws of this Commonwealth. This plan was made in March from surveys made in May and September, A.D. 1831. By Edmund T. Baker, of Milton. Reduced reproduction by Photo-electrotype Company, Boston, 1889. Size, $15\frac{1}{2} \times 19\frac{1}{2}$ inches. Scale (computed), 3,044 feet to an inch.

Massachusetts Historical Society.

1832

HALES, JOHN GROVES.

Map of the town of Roxbury. Surveyed by John G. Hales. Engraved by Annin & Smith. Published under the superintendence of the Selectmen, April, 1832. Size, $16\frac{1}{2} \times 24\frac{1}{2}$ inches. Scale, 100 rods to an inch.

Massachusetts Historical Society.

Same. Size, 6×11 inches.

Reproduction in Drake (Francis S.) Town of Roxbury. Roxbury. By the author, 1878.

Frederick L. Gay, Brookline.

1832. — *Continued.*

FULLER, STEPHEN PALMER.

[Plan of a portion of the Back Bay showing the boundaries of several estates.] By S. P. Fuller, Surveyor, Boston, October 20th, 1832. Copied by A. Hale, February 13th, 1849. Copied March 11, 1852, for Back Bay Commission. Size, 16×21 inches. Scale (computed), 400 feet to an inch.

In Senate Doc. No. 45, 1852.

Massachusetts State Library.

JACKSON, FRANCIS.

[Plan of the Rev. Mather Byles' lot, showing locations of houses, trees, abutters, etc.] F. J. [Francis Jackson.] Size, 16×21 inches. Scale, 10 feet to an inch.

Two plans, differing in detail.

Massachusetts Historical Society.

1833

[Plan of the Boston and Providence railroad from Boston to Roxbury.] Size, 23×33½ inches. Scale, 440 feet to an inch.

A plan and profile, on tracing paper, submitted by an engineer to the directors and referred to by them in votes of Sept. 7; Oct. 21, 1833; Jan. 30, 1836; Jan. 26, 1837.

Massachusetts Historical Society.

HALES, JOHN GROVES.

Map of Boston and its vicinity. [col.] From actual survey by John G. Hales. With corrections in 1833. Edward Gillingham, Engraver. Size, 25×31 inches. Scale, 1 mile to an inch.

This map was first issued in 1819, reissued in 1820, 1829, and 1833.

Essex Institute, Salem.

Same

Massachusetts Historical Society.

WADSWORTH, ALEXANDER.

A new plan of the city of Boston, including a part of Roxbury, Cambridge and Charlestown. Drawn by Alex^r Wadsworth, Civil Engineer, 1833. Size, 12×16 inches.

In Charlestown Directory. Charlestown, A. Quimby, 1834.

Essex Institute, Salem.

Same

In Bowen (Abel) Picture of Boston, 1838.

Frederick L. Gay, Brookline.

Same. Reproduction. Size, 9½×12¾ inches. Scale (computed), 1,750 feet to 1 inch.

In City Registrar's report for 1902. Doc. 34, 1903.

City Clerk's Office, Boston.

YOUNG, J. H.

Boston and vicinity. By J. H. Young. Size, 4¾×5¾ inches. Scale (computed), 2 $\frac{6}{10}$ miles to an inch.

Sub-map to map of Massachusetts, Connecticut and Rhode Island.

Essex Institute, Salem.

Same. Size, 2½×3½ inches.

Sub-map on Mitchell's Traveller's guide map through the United States. In folder.
Massachusetts Historical Society.

1833. — Continued.

BLUNT, E. & G. W., PUBLISHERS.

Boston harbour, from the survey of A. S. Wadsworth esq. U. S. N. and the chart of Des Barres. Drawn by E. Blunt. Printed by W. Hooker. New York, E. & G. W. Blunt, 1833. Size, $8 \times 10\frac{1}{2}$ inches. Scale (computed), $\frac{1}{100}$ miles to an inch.

In Blunt's American Coast Pilot, July, 1833, 12th ed. opp. p. 176.

Essex Institute, Salem.

1834

YOUNG, J. H.

Vicinity of Boston. Size, $4\frac{3}{4} \times 5\frac{1}{2}$ inches. Scale, 5 miles to an inch.

Sub-map to A new map of the United States, by J. H. Young. Engraved by J. H. Young, F. Dankworth, E. Yeager, E. F. Woodward. Published by S. Augustus Mitchell, 1834.

Essex Institute Salem.

Same

Sub-map on reference and distance map of the United States, by J. H. Young.

Essex Institute, Salem.

1835

SMITH, GEORGE G., PUBLISHER.

Plan of Boston, comprising part of Charlestown and Cambridge.

Published by Geo. G. Smith, Engraver. Size, $20\frac{3}{4} \times 21\frac{1}{4}$ inches.

Scale (computed), $36\frac{1}{10}$ rods to an inch.

Contains two sub-maps: (1) South Boston, drawn by S. P. Fuller. Size, $5 \times 6\frac{1}{2}$ inches. Scale (computed), 1,467 feet to an inch. (2) Plan of East Boston, from actual survey, by R. H. Eddy. Size, $4\frac{1}{2} \times 7\frac{1}{2}$ inches. Scale (computed), 1,293 feet to an inch.

Essex Institute, Salem.

Plan showing changes in the bed of Boston harbor, from a comparison of the surveys of 1835 and 1847. Plan No. 1. Size, 15×19 inches. Scale, $\frac{1}{10000}$.

With communication to the Board of Harbor Commissioners by the United States Advisory Council. In volume of plans accompanying legislative documents, 1868.

Massachusetts State Library.

Plan showing changes in the bed of Boston harbor, from comparison of the surveys of 1835 and 1861. Plan No. 3. Size, 20×23 inches. Scale, $\frac{1}{10000}$.

With communication to the Board of Harbor Commissioners by the United States Advisory Council. In volume of plans to accompany legislative documents for 1868.

Massachusetts State Library.

1836

BROADERS, OTIS, PUBLISHER.

Plan of Boston. Size, $4\frac{1}{2} \times 5\frac{5}{8}$ inches. Scale (computed), 1,655 feet to an inch.

Sub-map on new map of Massachusetts, compiled from the latest authorities, and corrected, by permission, from the survey ordered by the legislature in 1830. G. W. Wilcox, Sc. Boston, Otis Broaders & Co., 1836.

Essex Institute, Salem.

1837

WILCOX, A. F., AND OTHERS, PUBLISHERS.

Plan of Boston. Size, $5\frac{3}{8} \times 6\frac{1}{2}$ inches. Scale (computed), 1,200 feet to an inch.

Sub-map on Map of Massachusetts, Rhode Island and Connecticut. Compiled from the latest authorities. Engraved by J. Welles, New York. Published in 1837, A. F. Wilcox, Middleton, Conn.; Light & Stearns, Boston; C. Shepard, New York and Prov.

Essex Institute, Salem.

1837. — *Continued.*

EDDY, ROBERT HENRY.

Plan of East Boston, showing the land and water lots sold and unsold; also, all buildings and other improvements. Boston, T. Moore, Lith., 1837. Size, $26\frac{1}{2} \times 43\frac{3}{8}$ inches. Scale, 400 feet to an inch.

Maps and plans, Vol. 22, p. 3.
Massachusetts State Archives.

WADSWORTH, ALEXANDER.

[Plan of a portion of South Boston, from H street east, to the water, and from the shore on the north to the shore on the south. Manuscript drawing, made in 1837 by Alex. Wadsworth.] Size, $43\frac{1}{2} \times 49\frac{5}{8}$ inches. Scale, 100 feet to an inch.

Assessors' Office, Boston.

BLUNT, E. & G. W., PUBLISHERS.

Boston harbour, from the survey of A. S. Wadsworth, esq., U. S. N., and the chart of Des Barres. Drawn by E. Blunt. Printed by W. Hooker. New York, E. & G. W. Blunt, 1837. Size, $8 \times 10\frac{1}{2}$ inches. Scale (computed), $1\frac{3.3}{100}$ miles to an inch.

In Blunt's American Coast Pilot, June, 1837, 13th ed.

Essex Institute, Salem.

PERHAM, B. F.

Plan of the harbor of Boston. From surveys made under the direction of commissioners appointed by a resolve of the Legislature, passed March 25, 1835. Surveyed and drawn by B. F. Perham. Moore's lith., Boston. Size, $26\frac{1}{2} \times 33\frac{1}{2}$ inches. Scale, 600 feet to an inch.

Shows water front from Brookline avenue to Federal-street bridge; also a few soundings.

In Senate Doc. No. 47, 1838, report of the Commissioners for the survey of Boston harbor.

Massachusetts State Library.

Same (loose map)
Two copies.

Essex Institute, Salem.

Plan of the South Cove. [Anon.] Feb., 1837. Size, $21\frac{1}{2} \times 36$ inches. Scale, 100 feet to an inch.

Two copies, one rolled.

Massachusetts Historical Society.

1838

A map of Boston, county of Suffolk and adjacent towns. A. Bowen, Sc. [Anon.] Size, 12×12 inches.

In Bowen (Abel) Picture of Boston, 1838.

Frederick L. Gay, Brookline.

1839

DEARBORN, NATHANIEL, & SONS, PUBLISHERS.

A new and complete map of Boston, with part of Charlestown, Cambridge and Roxbury. From the best authorities by G. W. Boynton. Boston, Dearborn, 1839. Size, $14\frac{1}{8} \times 16\frac{1}{8}$ inches. Scale (computed), 1,342 feet to an inch.

Shows wards colored.

In folder marked "Dearborn's map of Boston."

Massachusetts Historical Society.

Same, rolled.
Massachusetts Historical Society.

1839 — *Continued.*

SMITH, GEORGE G.

Plan of Boston, comprising a part of Charlestown and Cambridge.

Published by George G. Smith, Engraver, Boston, 1839. Size, 20 $\frac{3}{8}$ ×21 $\frac{1}{4}$ inches. Scale (computed), 37 rods to an inch.

Contains two sub-maps: (1) Plan of East Boston from actual survey by R. H. Eddy. Size, 4 $\frac{3}{4}$ ×7 $\frac{9}{16}$ inches. Scale (computed), 1,391 feet to an inch. (2) Plan of South Boston, drawn by S. P. Fuller. Size, 5×6 $\frac{1}{4}$ inches. Scale (computed), 91 rods to an inch.

Assessors' Office, Boston.

1840

PHELPS & ENSIGN.

Vicinity of Boston. Size, 2×2 inches. Scale, none.

Sub-map to Phelps & Ensign's Traveller's guide and map of the United States, containing the roads, distances, steamboats, canal routes, etc. Engraved on steel by J. Wells, Brooklyn, L. I. New York, Phelps & Ensign. Size, 26 $\frac{1}{4}$ ×41 $\frac{1}{4}$ inches. Scale (computed), 71 miles to an inch. This map contains a copy of the Declaration of Independence, views relating to the war for independence, and portraits of the presidents to and including Martin Van Buren; also 14 sub-maps of principal cities.

Essex Institute, Salem.

Same

Two copies.

New England Historic Genealogical Society.

BLUNT, EDMUND.

Boston harbour, from the survey of A. S. Wadsworth, esq., U. S. N., and from the chart of Des Barres. Size, 8×10 $\frac{1}{2}$ inches. Scale (computed), 1 $\frac{2}{16}$ miles to an inch.

Sub-map to The northeastern coast of North America, from New York to Cape Canso, including Sable Island. By Edmund Blunt. New York, E. & G. W. Blunt. Additions to 1840. Size, 27×75 inches. Scale (computed), 11 miles to an inch.

Essex Institute, Salem.

Massachusetts, Connecticut and Rhode Island. Size, 3 $\frac{3}{8}$ ×5 $\frac{1}{2}$ inches. Scale, 25 miles to an inch.

To accompany articles on topography and railroads of Massachusetts. In *Monthly Chronicle*, Vol. 1, 1840, p. 180. 3202.4.

Boston Public Library.

1841

PHELPS & ENSIGN.

Boston. Size, 5 $\frac{3}{8}$ ×6 $\frac{7}{8}$ inches. Scale (computed), 8 miles to an inch.

Shows Boston proper, south to Pleasant street. Sub-map to Map of Massachusetts, Rhode Island and Connecticut. Compiled from the latest authorities. Engraved by J. Wells, New York. Entered according to Act of Congress in the year 1836 by A. F. Wilcox of the State of Connecticut. New York, Phelps & Ensign, 1841. Size, 23 $\frac{1}{8}$ ×33 $\frac{1}{8}$ inches.

Essex Institute, Salem.

YOUNG, J. H.

Vicinity of Boston. Size, 3 $\frac{1}{2}$ ×4 $\frac{1}{4}$ inches. Scale (computed), 4 $\frac{5}{16}$ miles to an inch.

A sub-map to map of the United States, by J. H. Young. Entered according to Act of Congress, 1836, by S. A. Mitchell. W. Mason, Del. Phila., S. Augustus Mitchell, 1841. Size, 32 $\frac{1}{4}$ ×42 inches. Scale (computed), 7 $\frac{1}{16}$ miles to an inch.

Essex Institute, Salem.

1842

PHELPS & ENSIGN.

Boston. Size, 5 $\frac{3}{8}$ ×6 $\frac{7}{8}$ inches. Scale (computed), 8 miles to an inch.

For further description, see edition of 1841.

Essex Institute, Salem.

WADSWORTH, ALEXANDER.

Plan of land at South Boston, belonging to the United States. Boston, July, 1842. Alex. Wadsworth, surveyor. J. H. Bufford's lith. Size, 25×30 $\frac{1}{2}$ inches. Scale, 100 feet to an inch.

Assessors' Office, Boston.

1843

MITCHELL, SAMUEL AUGUSTUS.

Vicinity of Boston. Size, $3\frac{1}{4} \times 3\frac{1}{2}$ inches.

Bounds Lynn on the northeast, Woburn on the northwest, Dedham on the southwest, Hull on the southwest.

Sub-map to Mitchell's national map of the American republic or United States of America, together with maps of the vicinities of thirty-two of the principal cities and towns in the Union. Drawn by J. H. Young. Engraved by J. H. Brightly. Phila., S. Augustus Mitchell, 1843. Size, $25\frac{1}{2} \times 33$ inches. Scale (computed), 53 miles to an inch.*Essex Institute, Salem.*

1844

BORDEN, SIMEON.

Topographical map of Massachusetts, compiled by Simeon Borden from astronomical, trigonometrical, and various local surveys made by order of the Legislature. Simeon Borden, Supt. Engraved by George G. Smith. Size, $48\frac{1}{4} \times 74\frac{3}{4}$ inches. Scale, $2\frac{1}{2}$ miles to an inch.

Shows Boston and vicinity, with considerable detail. On same map, A geological map by Edward Hitchcock; also, Plan of the principal triangles of the trigonometrical survey of Massachusetts [col.].

Essex Institute, Salem.

Same

Massachusetts Historical Society.

YOUNG, J. H.

Map of the vicinity of Boston. Size, $3\frac{1}{4} \times 3\frac{1}{2}$ inches. Scale, none.

Sub-map to Mitchell's national map of the American republic . . . together with maps of the vicinities of the principal cities and towns. Drawn by J. H. Young. Engraved by J. H. Brightly. Phila., S. Augustus Mitchell, 1844. Two copies.

Essex Institute, Salem.

EDDY, ROBERT HENRY.

Plan of East Boston, exhibiting the land and water lots and other improvements. By R. H. Eddy. Drawn by John Noble, June, 1844. Lith^o of Bouvé & Sharpe, Boston. Size, $22\frac{3}{8} \times 34$ inches. Scale, 400 feet to an inch.*Essex Institute, Salem.*

BLUNT, EDMUND.

Boston harbour, from the survey of A. S. Wadsworth, esq., U. S. N., and chart of Des Barres. Size, $8 \times 10\frac{1}{2}$ inches. Scale (computed), $1\frac{1}{10}$ miles to an inch.Sub-map to The northeastern coast of North America, from New York to Cape Canso, including Sable island. By Edmund Blunt. New York, E. & G. W. Blunt. Additions to 1844. Size, 37×75 inches. Scale (computed), 11 miles to an inch.*Essex Institute, Salem.*

NOELCKERS, T.

[South burying ground.] T. Noelckers, architect, Boston, 1844. [MS.] Size, $17\frac{1}{2} \times 22$ inches.*Cemetery Department, Boston.*

1845

WHITNEY, CHARLES.

Plan of Savin hill in Dorchester, belonging to Mess^{rs}. Worthington and Robinson. Surveyed Aug. 15, 1845. Charles Whitney, surveyor and engineer. Bufford & Co., lith. Boston. Size, $26\frac{1}{2} \times 32\frac{1}{2}$ inches. Scale, 80 feet to an inch.*Assessors' Office, Boston.*

1846

DEARBORN, NATHANIEL, PUBLISHER.

A new and complete map of the city of Boston with part of Charlestown, Cambridge and Roxbury. From the best authorities by G. W. Boynton for N. Dearborn, publisher, Boston, 1846. Size, $15 \times 17\frac{1}{2}$ inches. Scale (computed), 83+ rods to an inch.

John W. Farwell, Boston.

TANNER, HENRY S.

[Map of Boston]. Size, $4\frac{1}{2} \times 5\frac{7}{8}$ inches. Scale (computed), 2,285 feet to an inch.

Sub-map on H. S. Tanner's Massachusetts and Rhode Island. Phila., C. S. Williams, 1846.

Massachusetts Historical Society.

LEWIS, ALONZO.

Diagram of railroads diverging from Boston. Showing the depots and distances [Boston, 1846]. Size, $4\frac{1}{2} \times 9\frac{1}{4}$ inches.

Covers nearly all of Southern New England. Cut from Dickinson's Boston Almanac.

Essex Institute, Salem.

FULLER, STEPHEN PALMER.

South Boston. Size, $3\frac{1}{2} \times 4\frac{1}{2}$ inches.

In Toomey (John J.) (Edward P. B.) Rankin History of South Boston, 1901, p. 148. 4452.155

Boston Public Library.

NOTT, SAMUEL.

East Boston cemetery. Samuel Nott, surveyor. Boston, April 17, 1846. [MS.] Size, $22\frac{3}{8} \times 26\frac{1}{8}$ inches. Scale, 20 feet to an inch.

Cemetery Department, Boston.

1847

BLUNT, EDMUND.

Boston harbour, from the survey of A. S. Wadsworth, esq., U. S. N., and the chart of Des Barres. Drawn by E. Blunt. Printed by W. Hooker. New York, E. & G. W. Blunt, 1847. Size, $8 \times 10\frac{1}{2}$ inches. Scale (computed), $1\frac{3}{10}$ miles to an inch.

In Blunt's American Coast Pilot, 15th ed., opp. p. 166 (two copies).

Essex Institute, Salem.

BACHE, A. D.

Plan of the inner harbor of Boston executed by the U. S. Coast survey for the Commissioners appointed by a resolve of the Legislature passed April 16, 1846. A. D. Bache, Superintendent U. S. C. Survey. J. H. Bufford's Lith., Boston. Size, $36 \times 47\frac{1}{8}$ inches. Scale, $\frac{1}{30000}$.

In Senate Doc. No. 25, 1847. Report of the commission appointed to examine the position of the flats in the harbor of Boston, between South Boston and the channel.

Massachusetts State Library.

BACHE, A. D.

A chart of Boston harbor exhibiting the normal course and velocity of the tidal current at ebb. By A. D. Bache, Superintendent of U. S. Coast Survey from observations by Lieut. J. N. Maffitt of the Hydrographic party under command of Lieut. Chas. H. Davis, U. S. N., 1847-48. A No. 3. Size, $7\frac{1}{8} \times 8\frac{3}{8}$ inches. Scale, $\frac{1}{100000}$.

Essex Institute, Salem.

Plan of Boston harbor, 1847. Boston, Dec. 14, 1849. William P. Parrott, engineer. Drawn by George Parrott. Tappan & Bradford's

1847. — *Continued.*

Lith., Boston. Size $18\frac{1}{2} \times 25\frac{1}{2}$ inches. Horizontal scale, 416 $\frac{2}{3}$ feet to an inch; vertical scale, 10 feet to an inch.

Extract from a plan of the coast survey: "To accompany report of Massachusetts commission appointed to consider what are the rights and duties of the Commonwealth with regard to the flats in the harbor of Boston."

In Senate Doc. 3, 1850.

Massachusetts State Library.

MASSACHUSETTS BOARD OF HARBOR COMMISSIONERS.

Changes in the bed of Boston harbor from a comparison of the surveys of 1847 and 1861. [No. 2.] Size, 17×20 inches. Scale, $\frac{1}{100000}$.

With communication to the Board of Harbor Commissioners, by the United States Advisory Council. In volume of plans to accompany legislative documents, 1868.

Massachusetts State Library.

WADSWORTH, ALEXANDER.

(Back Bay.) Size, $17\frac{3}{8} \times 26\frac{3}{8}$ inches. Scale, 40 feet to an inch. Boston, June 9, 1847. Tappan & Bradford, Lith.

Reference: "This plan shows channels and flats as they were before the 200 feet — side of the Mill Dam was filled up as per S — Fuller's plan." In Senate Doc. 45, 1852, report of Back Bay Commissioners.

Massachusetts State Library.

1848

WHITWELL, WILLIAM SCOLLAY.

Plan of the city of Boston, from actual survey made by order of the Water Commissioners, showing the location of the water pipes, 1848. W. S. Whitwell, engineer, eastern division. Drawn by Frederick Budden. Size, $42\frac{3}{8} \times 82\frac{3}{8}$ inches. Scale, 200 feet to an inch.

Shows Boston south to Massachusetts avenue. Shows water pipes, and original shore line.

Engineering Department.

DEARBORN, NATHANIEL, PUBLISHER.

Plan of the city of Boston. Published by Nathaniel Dearborn, 1848. Size, $4\frac{1}{8} \times 5\frac{7}{8}$ inches. Scale (computed), 2,240 feet to an inch.

Shows south as far as Dover street; also small portions of Charlestown and East Boston.

In Dearborn (Nathaniel) Boston Notions. Boston, 1848, opp. p. 280.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

DEARBORN, NATHANIEL, PUBLISHER.

Boston and vicinity. Size, $2\frac{9}{16} \times 3\frac{19}{32}$ inches. Scale, none.

In Dearborn (Nathaniel) Boston Notions. Boston, 1848, p. 376.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

DEARBORN, NATHANIEL, PUBLISHER.

Chart of Boston harbour from the best authorities, 1848. Size, $5\frac{5}{8} \times 5\frac{7}{8}$ inches. Scale, 2 nautical miles to an inch.

Shows the harbor from Cohasset on the southeast to Nahant on the northeast; also soundings, with rise of common and other tides and distances from Long Wharf.

In Dearborn (Nathaniel) Boston Notions. Boston, 1848, opp. p. 412.

Essex Institute, Salem.

Same *Frederick L. Gay, Brookline.*

1849

GOLDTHWAIT, J. H.

Boston and vicinity. Size, $2\frac{3}{8} \times 2\frac{3}{8}$ inches. Scale (computed), 2.6 miles to an inch.

Sub-map to Railroad map of New England and Eastern New York, etc., J. H. Goldthwait.

Massachusetts Historical Society.

DICKINSON, SAMUEL N., PUBLISHER.

Map of the vicinity of Boston. Engraved by G. W. Boynton. Size, 9×11 inches. Scale (computed), 854 feet to an inch.

Cut from Boston Almanac. Boston, S. N. Dickinson, 1849.

Essex Institute, Salem.

PARROTT, WILLIAM P.

Plan of the proposed docks in South Boston [1849?]. Drawn by G. B. Parrott. William P. Parrott, engineer. Tappan & Bradford's Lith., Boston. Size, 18×25 inches.

In Senate Doc. No. 3, 1850, Report of the Commissioners in relation to the flats in Boston harbor.

Massachusetts State Library.

1850

MITCHELL, SAMUEL AUGUSTUS, PUBLISHER.

[Plan of Boston.] Size, $4\frac{1}{2} \times 5\frac{1}{2}$ inches. Scale (computed), 2,285 feet to an inch.

Sub-map on Mitchell (S. A.) Massachusetts, Connecticut, and Rhode Island.

Massachusetts Historical Society.

CHESBROUGH, ELLIS SYLVESTER.

Railroad crossings and termini in the vicinity of Boston. Compiled under the direction of the Commissioner appointed by the Governor to report upon a plan or plans for avoiding said crossings.

E. S. Chesbrough, Commissioner. January, 1850. Tappan & Bradford, Lithog^r. Size, $23\frac{3}{4} \times 34$ inches. Scale, 600 feet to an inch.

Reduced from a drawing by Chas. Perkins.

In Senate Doc. No. 15, 1850, Report of Commissioners relating to railroads crossing each other in the vicinity of Boston.

Massachusetts State Library.

BLUNT, EDMUND.

Boston harbour, from the survey of A. S. Wadsworth, esq., U. S. N., and the chart of Des Barres. Drawn by E. Blunt. Engraved for the American Coast Pilot, 16th ed., W. Hooker, engraver. New York, E. & G. W. Blunt, 1850. Size, $8\frac{1}{2} \times 10\frac{1}{2}$ inches. Scale (computed), $1\frac{3}{10}$ miles to an inch.

Cut, together with page 167 (which is opposite map) and pages 168-9-70, from Blunt's American Coast Pilot.

Walter K. Watkins, Malden.

COMMISSIONERS ON BOSTON HARBOR.

Plan of the inner harbor of Boston, showing Commissioners' lines, proposed by Simon Greenleaf, Joel Giles, Ezra Lincoln, commissioners appointed under a resolve of the Legislature, approved May 3, 1850. Size, $19\frac{1}{2} \times 24\frac{1}{2}$ inches. Scale (computed), 500 feet to an inch.

Maps and plans, Vol. 67, p. 12.

Additions have been made to the plan. Title in pencil.

Massachusetts State Archives.

1850. — *Continued.*

Same. Copy of part of plan of inner harbor of Boston, showing commissioners' lines, proposed by S. Greenleaf, J. Giles, Ezra Lincoln, commissioners appointed under a resolve of the Legislature, approved May 3d, 1850. Tappan & Bradford's Lith. Size, $26\frac{7}{8} \times 34\frac{1}{2}$ inches. Scale, $\frac{1}{5000}$.

In House Doc. No. 106, 1851, opp. p. 12.

Massachusetts State Library.

BACK BAY COMMISSIONERS.

Plan presented to the Hon^{ble} the State Commissioners for the improvement of the Back Bay. Tappan & Bradford, Lith. Size, $18\frac{1}{2} \times 19$ inches. Scale, 400 feet to an inch.

In Senate Doc. No. 45, 1852. Report of the Back Bay Commission.

Massachusetts State Library.

Copy of a plan of the South Bay from surveys made under the direction of James Hayward & Ezra Lincoln, jr., commissioners appointed by a resolve of the Legislature, passed March 22, 1845, showing commissioners lines, etc., recommended by Simon Greenleaf, Joel Giles, Ezra Lincoln, commissioners appointed under a resolve of the Legislature, approved May 3d, 1850. Tappan & Bradford's Lith. Size, $18\frac{1}{2} \times 26\frac{1}{2}$ inches. Scale, 500 feet to an inch.

In House Doc. No. 106, 1851. Report of the Commissioners concerning Boston Harbor and Back Bay.

Massachusetts State Library.

1851

SMITH, GEORGE G., PUBLISHER.

Plan of Boston comprising a part of Charlestown and Cambridge [Boston]. Smith. 1851. [col.] Size, $20\frac{1}{2} \times 21\frac{1}{2}$ inches. Scale (computed), 600 feet to an inch.

Contains two sub-maps: (1) Plan of South Boston from a drawing by S. P. Fuller. Size, $5 \times 6\frac{1}{2}$ inches. Scale (computed), 91 rods to an inch. (2) Plan of East Boston from actual survey by R. H. Eddy. Size, $4\frac{3}{8} \times 7\frac{1}{2}$ inches. Scale (computed), 1,400 feet to an inch.

Assessors' Office, Boston.

Same

Massachusetts Historical Society.

DOANE, T. & J.

Plan of Mystic river railroad, Feb., 1851. Size, $14\frac{1}{2} \times 22\frac{1}{2}$ inches. Scale, 400 feet to an inch.

Massachusetts Historical Society.

Same. Plan of part of the Mystic river and Charlestown with common low water marks or line of flats. Tappan & Bradford's lith. Size, $14\frac{1}{2} \times 22\frac{1}{2}$ inches. Scale, 400 feet to an inch.

Contains pencil note relating to filling.

Massachusetts Historical Society.

EDDY, ROBERT HENRY.

Plan of East Boston showing the land and water lots sold and unsold; also all buildings and other improvements. By R. H. Eddy, civil engineer. Drawn by John Noble, May 1st, 1851. Tappan & Bradford's Lith. Size, $24\frac{1}{2} \times 36\frac{1}{2}$ inches. Scale, 400 feet to an inch.

Street Department (Sewer Division), Boston.

1851. — Continued.

POOLE, CHARLES H.

Plan of lots in section No. 2, on Long island, Boston harbor, owned by the Long island co., to be sold Aug. 13, 1851, at auction. C. H. Poole, surveyor, July 15, 1851. Cook's lith. Size, 18×24 inches. Scale, 90 feet to an inch.

Massachusetts Historical Society.

1852

SIDNEY, J. C.

Map of the city and vicinity of Boston. From original surveys by J. C. Sidney. Boston, J. B. Shields, 1852. Copyright by R. R. Smith. Size, $35\frac{1}{2} \times 37\frac{1}{2}$ inches. Scale, 200 rods to an inch.

Bounded by Salem, Bedford, Dover and Hingham.

Essex Institute, Salem.

SLATTER, I., AND B. CALLAN.

Map of the City of Boston, Mass^{ts}. 1852. Surveyed and drawn by I. Slatter & B. Callan, civil engineers. Engraved and printed at Ferd. Mayer's lithog. N. Y., M. Dripps, Boston, L. N. Ide, 1852. Size, $24 \times 56\frac{3}{4}$ inches. Scale, 300 feet to an inch.

Contains views of fourteen prominent buildings, coat of arms of Massachusetts, and Bunker Hill monument; also, a sub-map of Charlestown navy yard.

Essex Institute, Salem.

MUSSEY, B. B., & GROOM, THOMAS, PUBLISHERS.

New map of Boston comprising the whole city, with the new boundaries of the wards. Engraved expressly for the Boston Almanac by G. W. Boynton. Size, $9\frac{1}{2} \times 10\frac{1}{2}$ inches. Scale (computed), 1,714 feet to an inch.

Contains sub-map Plan of East Boston. Size, $2\frac{3}{4} \times 4\frac{1}{4}$ inches. Scale (computed), 3,128 feet to an inch. Cut from Boston Almanac. Boston, Mussey & Groom, 1852.

Essex Institute, Salem.

LINCOLN, EZRA.

Plan of Back Bay and vicinity, prepared from surveys made under the direction of Simon Greenleaf, Joel Giles, Ezra Lincoln, commissioners, appointed under a resolution of the legislature of Massachusetts, passed May 3, 1850. Drawn by Henry F. Conant. Tappan & Bradford, lith. Boston, March 11, 1852. Size, $41 \times 54\frac{1}{2}$ inches. Scale (computed), 250 feet to an inch.

In Senate Doc. No. 45, 1852. Report of Back Bay Commission.

Massachusetts State Library.

ADAMS, GEORGE, PUBLISHER.

Charlestown. Size, $5\frac{1}{2} \times 5\frac{1}{4}$ inches. Scale (computed), 1,486 feet to an inch.

In Charlestown Directory. Cut from a large map.

Overseers of the Poor, Boston.

Same. Map of Roxbury. From new surveys by Charles H. Poole. Engraved by E. A. Toullon. Size, $5\frac{1}{2} \times 8\frac{1}{4}$ inches. Scale, 1,000 feet to an inch.

In Roxbury Directory. George Adams, 1852.

Overseers of the Poor, Boston.

BACK BAY COMMISSIONERS.

Plan of the saltmarsh and upland in Roxbury, lying on the east side of Mill Creek. Copy. Boston, March 11, 1852. Simon Greenleaf, Joel Giles, Ezra Lincoln, Jr., Commissioners. Size, $17\frac{1}{2} \times 25\frac{1}{2}$ inches. Scale (computed), $17\frac{3}{10}$ rods to an inch.

In Senate Doc. No. 45, 1852. Report of Back Bay Commission.

Massachusetts State Library.

1852. — *Continued.*

McINTYRE, HENRY.

Map of the City of Boston and immediate neighborhood. From original surveys by H. McIntyre, C. E. [Boston and Philadelphia.] McIntyre, 1852. [col.] Friend & Aub, Lith. Size, $55\frac{1}{2} \times 75\frac{3}{8}$ inches. Scale (computed), 450 feet to an inch.

Contains views of 55 buildings.

Assessors' Office, Boston.

Same *Essex Institute, Salem.*

WALKER, AMASA, SECRETARY.

Massachusetts Congressional Districts as proposed in 1852. Size, $22\frac{1}{2} \times 36\frac{1}{4}$ inches. 2,300 roll and 2,301 roll.

Two copies.

Massachusetts State Archives,

CHESBROUGH, ELLIS SYLVESTER.

Map of Boston harbor, showing Commissioners lines, wharves, etc. Prepared by order of Harbor committee of the City Council of 1852. under the direction of E. S. Chesbrough, city engineer. Tappan & Bradford's lith., Boston. Size, $23\frac{1}{2} \times 42\frac{3}{8}$ inches. Scale (computed), 1,684 feet to an inch.

Shows east as far as outer Brewster; south, part of Roxbury; west, part of Cambridge; north, part of Chelsea. In Doc. 60, 1853. In report of Committee on Boston harbor for the year, 1852.

Massachusetts State Library.

Same #6356.1.1853.2
Boston Public Library.

Same (loose map) No. 96 rolled
Massachusetts State Library.

1853

COMMISSIONERS ON BOSTON HARBOR.

Plan of the receiving basin showing certain avenues and lines of release, prepared from surveys made under the direction of [John A. Boles, Giles H. Whitney, William H. Swift] commissioners appointed under the resolves of the Legislature of Massachusetts, dated May 20th, 1852. Boston, Nov. 11th, 1853. Whitwell & Henck, engineers and surveyors. Tappan & Bradford's lith., Boston. Size, $33\frac{1}{2} \times 49$ inches. Scale, 200 feet to an inch.

Shows west to Camden street and the Cross Dam, north to Charles river, east to the Common, south to Washington street. In Senate Doc. 62, 1853. First report of the Commissioners on Boston harbor and the Back Bay, under resolves of 1852, Chap. 79.

Massachusetts State Library.

DOANE, T. & J.

Plan of the Mystic river and Charlestown with common low water marks or line of flats. Tappan & Bradford's lith. [1851.] Size, $14\frac{5}{8} \times 22\frac{3}{4}$ inches. Scale, 400 feet to an inch.

Maps and plans, Vol. 31, p. 24.

Additions in ink showing shore lines and data as to construction, etc.; according to act of Feb. 12, 1853.

Massachusetts State Archives.

WALLING, HENRY FRANCIS.

Dorchester, Roxbury and West Roxbury. Size, 11×12 inches. Scale, 800 feet to an inch.

Sub-map on Norfolk County.

Massachusetts Historical Society.

1853. — Continued.

UNITED STATES COAST SURVEY.

Sketch of Minots ledge of Boston Harbor. Party under command of H. S. Stillwagen, assistant U. S. C. S.; A. D. Bache, sup^t. Drawn by J. B. Glück, H. L. Whitney, E. Cordell. Engraved by A. Roth, E. Yaeger. Approved by H. C. Evans and R. Bartle. Size, 19×19 inches. Scale, $\frac{1}{10000}$.

In United States Coast Survey report, 1853, p. 3.

Engineering Department (Surveying Division).

1854

ADAMS, GEORGE, PUBLISHER.

Charlestown, reduced from Felton & Parker & Barker's plan, by T. & J. Doane, engraved by E. A. Toullon. Size, $5\frac{1}{4}$ ×9 inches. Scale (computed), 1,156 feet to an inch.

In Charlestown Directory, George Adams, 1851.

Overseers of the Poor, Boston.

Same *Essex Institute, Salem.*

ADAMS, GEORGE, PUBLISHER.

Map of Roxbury, from new surveys by Charles H. Poole. Engraved by E. A. Toullon. Size, $5\frac{1}{4}$ ×8 $\frac{1}{2}$ inches. Scale, 1,000 feet to an inch.

In Roxbury Directory, George Adams, 1854.

Overseers of the Poor, Boston.

Same *Essex Institute, Salem.*

COMMISSIONERS ON BOSTON HARBOR.

Plan accompanying the proposal made to the city of Boston by the Commissioners on Boston harbor, and the Back Bay, Oct^r. 20, 1854. John A. Bolles, Giles H. Whitney, Wm. H. Swift, commissioners, Whitwell & Henck, engineers and surveyors. L. H. Bradford & co's. lith. Size, 23 $\frac{1}{4}$ ×36 inches. Scale, 250 feet to an inch.

In Senate Doc. 62, 1855. First report of the Commissioners on Boston harbor and the Back Bay, under resolves of 1852, chap. 79.

Massachusetts State Library.

DOANE. T. & J.

Part of a plan presented to the Commissioners for the improvement of the Back Bay, 1854. T. & J. Doane, Boston. Size, 13 $\frac{1}{2}$ ×20 inches. Scale, 200 feet to an inch.

Massachusetts Historical Society.

1855

SMITH, GEORGE G., PUBLISHER.

Plan of Boston comprising a part of Charlestown and Cambridge. [Boston] Smith, 1855. [Published also by Ide & Dutton.] Size, 21 $\frac{1}{4}$ ×25 $\frac{1}{2}$ inches. Scale (computed), 600 feet to an inch.

Contains two sub-maps: (1) Plan of South Boston from a drawing by S. P. Fuller. Size, 5×6 $\frac{1}{2}$ inches. Scale (computed), 91 rods to an inch. (2) Plan of East Boston from actual survey by R. H. Eddy. Size, 4 $\frac{3}{4}$ ×7 $\frac{1}{2}$ inches. Scale (computed), 1,400 feet to an inch. Shows boundaries of wards; churches and places of public worship; public schools and public buildings; boundaries of fire districts (col.); signal stations.

Massachusetts Historical Society.

1855. — *Continued.*

COLTON, J. H., & Co.

Map of Boston and adjacent cities. Size, $11\frac{1}{2} \times 14$ inches. Scale (computed), 1,636 feet to an inch.

Shows Boston, South Boston, Charlestown and parts of Dorchester, Roxbury, Brookline, Cambridge, Somerville, Chelsea, and East Boston. In Colton (G. W.) General Atlas. New York, J. H. Colton & Co., 1855.

Essex Institute, Salem.

Same. Boston and Vicinity. Size, 5×6 inches. Scale (computed), 3 miles to an inch.

In Colton's Atlas of America. Sub-map to Massachusetts and Rhode Island.

Essex Institute, Salem.

[Fort Point Channel and South Boston Flats]. Size, $10 \times 11\frac{1}{4}$ inches. Scale, 500 feet to an inch. Maps and plans, Vol. 36, p. 12.

Tracing taken from bill concerning Boston Wharf Co. Chap. 455, 1855. Shows riparian owners, 100 rod line (bulkhead) and (pierhead) line.

Massachusetts State Archives.

GARRETT, WILLIAM A.

Plan of cemetery on Austin street, West Roxbury. Roxbury, Jan. 6, 1855, Wm. A. Garbett, survr. [MS]. Size, $12 \times 19\frac{1}{4}$ inches. Scale, 20 feet to an inch.

Cemetery Department, Boston.

1856

ADAMS, GEORGE, PUBLISHER.

Charlestown, reduced from Felton & Parker & Barker's plan by T. & J. Doane. Engraved by E. A. Toullon. Size, $5\frac{1}{2} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

In Charlestown Directory. George Adams, 1856.

Overseers of the Poor, Boston.

Same

Essex Institute, Salem.

ADAMS, GEORGE, PUBLISHER.

Map of Roxbury. From new surveys by Charles H. Poole. Engraved by E. A. Toullon. Size, $5\frac{1}{2} \times 8\frac{1}{4}$ inches. Scale, 1,000 feet to an inch.

In Roxbury Directory. George Adams, 1856.

Essex Institute, Salem.

WALLING, HENRY FRANCIS.

Map of Middlesex county, Massachusetts, based upon the trigonometrical survey of the state, the details from original surveys under the direction of Henry F. Walling, Supt. of the state map. Boston, 1856. Thos. W. Baker, draughtsman. Entered according to Act of Congress, 1856. Boston, Smith & Bumstead, 1856. [col.] Size, $56\frac{1}{2} \times 57\frac{1}{2}$ inches. Scale, $\frac{1}{300000}$. A 143

Contains sub-map of Charlestown, Somerville and Cambridge. Size, $12\frac{1}{2} \times 20\frac{1}{2}$ inches. Scale, 64 rods to an inch; also 69 sub-maps and 7 views.

Engineering Department (Surveying Division).

ELDRIDGE, CAPTAIN GEORGE.

A new chart of New England, from Mt. Desert rock to Gay Head, including George's bank and shoals, from the best authorities, particularly the latest United States coast surveys; the Vineyard sound and Nantucket shoals from actual surveys by Captain George Eldridge. Drawn by George Eldridge, hydrographer. Salem, Henry Whipple & Sons; Boston, George G. Smith, 1856. Size, $35 \times 41\frac{1}{2}$ inches. Scale, 5 nautical miles to an inch.

Essex Institute, Salem.

1856. — *Continued.*

WALLING, HENRY FRANCIS.

Map of the City of Roxbury surveyed under the direction of H. F. Walling, 1856. A collection of 43 manuscript plates. Size, $24\frac{3}{4} \times 36\frac{1}{2}$ inches. Scale, 80 to an inch. Plate, $14\frac{1}{2}$, 250 feet to an inch.

Made under order authorizing the same, dated June 25, 1855. Work commenced Dec., 1853; completed Sept., 1856—showing buildings, lot lines, and base lines with bearings.

Assessors' Office, Boston.

1857

FULLER, STEPHEN PALMER.

Plan of lands belonging to the Commonwealth. [Back Bay.] By S. P. Fuller. Size, 25×41 inches. Scale, 100 feet to an inch.

2,321 Roll.

A manuscript tracing. Made to accompany fifth annual report of Commission on the Back Bay.

Massachusetts State Archives.

Same (lithograph)

In Senate Doc. No. 17, 1857. Report of the committee in relation to lands in the Back Bay. Fifth annual report of the Commission on the Back Bay.

Massachusetts State Library.

Same (loose map)

Massachusetts Historical Society.

Plan of South Boston. Size, $3\frac{7}{8} \times 6$ inches. Scale (computed), 2,000 feet to an inch.

In Simond (Thomas C.) History of South Boston, 1857, p. 196.

Essex Institute, Salem.

Same

Frederick L. Gay, Brookline.

1858

ADAMS, GEORGE, PUBLISHER.

Charlestown, reduced from Felton & Parker & Barker's plan by T. & J. Doane. Engraved by E. A. Toullon. Size, $5\frac{1}{4} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

In Charlestown Directory. George Adams, 1858.

Overseers of the Poor, Boston.

Same

Essex Institute, Salem.

WALLING, HENRY FRANCIS.

Map of the county of Norfolk based upon the trigonometrical survey of the state of Massachusetts. The details from actual survey under the direction of Henry F. Walling. Supt. of State map, 1858. Boston and New York, Smith & Bumstead. [col.] Size, $56\frac{3}{4} \times 59\frac{1}{4}$ inches. Scale, $\frac{1}{400000}$.

Contains 4 views and sub-maps: Includes parts of Dorchester, West Roxbury, South Boston and Boston Proper. Roxbury and vicinity (including parts of Dorchester, West Roxbury, South Boston and vicinity). Size, $14\frac{1}{2} \times 15\frac{1}{2}$ inches. Scale, $\frac{1}{120000}$. West Roxbury. Size, $5 \times 6\frac{1}{2}$ inches. Scale, $\frac{1}{130000}$. Dorchester. Size, $2\frac{1}{2} \times 4$ inches. Scale, $\frac{1}{120000}$. Harrison Square (Dorchester). Size, 4×6 inches. Scale, $\frac{1}{120000}$. Meeting House Hill (Dorchester). Size, $4 \times 5\frac{1}{4}$ inches. Scale, $\frac{1}{160000}$. Neponset and Port Norfolk (Dorchester). Size, $4 \times 5\frac{1}{4}$ inches. Scale, 60 rods to an inch. Dorchester Lower Mills. Size, $5 \times 5\frac{1}{4}$ inches. Scale, $\frac{1}{75000}$. Jamaica Plain (West Roxbury). Size, $7\frac{1}{2} \times 8$ inches. Scale, $\frac{1}{110000}$.

Massachusetts Historical Society.

1858. — *Continued.*

Plan of East Boston, 1858. Lith. by J. H. Bufford, Boston. Size, $6\frac{1}{2} \times 9\frac{1}{2}$ inches. Scale (computed), 1,422 feet to an inch.

In Sumner (William H.) History of East Boston. Boston, J. E. Tilton & Co., 1858. Opp. p. 712.

Essex Institute, Salem.

1859

LINCOLN, EZRA.

Map of the South Boston shore, exhibiting the various lines established by laws of the commonwealth and by decisions of the supreme court, together with the lines of riparian ownership, made in pursuance of resolves approved April 6, 1859. Compiled by Ezra Lincoln, civil engineer, August, 1859. [MS.] Drawn by Robert L. Harris. Size, $38\frac{1}{2} \times 54$ inches. Scale, 200 feet to an inch. 2329 Roll.

Massachusetts State Archives.

1860

SMITH, GEORGE G.

Plan of Boston, comprising a part of Charlestown and Cambridge. [Boston.] Smith, 1855. Size, $20\frac{1}{2} \times 25\frac{1}{4}$ inches. Scale, 600 feet to an inch. A-14

Contains two sub-maps: (1) Plan of South Boston, from a drawing by S. P. Fuller. Size, $5 \times 6\frac{1}{2}$ inches. Scale (computed), 91 rods to an inch. (2) Plan of East Boston from actual survey by R. H. Eddy. Size, $4\frac{1}{2} \times 7\frac{1}{2}$ inches. Scale (computed), 1,333 feet to an inch.

NOTE. — Shows boundaries of wards, churches and places of public worship, public schools and public buildings; boundaries of the fire districts (col.); signal stations.

Engineering Department (Surveying Division).

Same *Massachusetts Historical Society.*

SLADE, JAMES.

Plan of lands belonging to the Boston Water Power company and the Commonwealth, on the Back Bay, showing part of the city streets and streets on land of the Commonwealth as laid out to date, with streets as proposed to be laid out on land of the Boston Water Power company. Meisel, lith. Size, $24\frac{1}{2} \times 35\frac{1}{2}$ inches. Scale, 250 feet to an inch.

New England Historic Genealogical Society.

Same *Massachusetts Historical Society.*

ADAMS, SAMPSON & CO., PUBLISHERS.

City of Charlestown, 1860. Engraved by E. A. Toullon. Boston, Adams, Sampson & Co. [1860]. Size, $7\frac{3}{4} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

Reduced at T. & J. Doane's office from Felton & Parker & Barker's Plan. In Charlestown Directory. Adams, Sampson & Co., 1860.

Overseers of the Poor, Boston.

Same *Essex Institute, Salem.*

ADAMS, SAMPSON & CO., PUBLISHERS.

Map of Roxbury. From new surveys by Charles H. Poole. Engraved by E. A. Toullon. Size, $5\frac{1}{2} \times 8\frac{3}{4}$ inches. Scale, 1,000 feet to an inch.

In Roxbury Directory. Adams, Sampson & Co., 1860.

Essex Institute, Salem.

1860. — Continued.

DUTTON, EDWARD P., & CO., PUBLISHERS.

New map of the vicinity of Boston, with the dates of settlement and distance from the capital. Boston, 1860. Size, $14\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale (computed), 2.5+ miles to an inch.

Massachusetts Historical Society.

WALLING, HENRY FRANCIS.

Map of Boston and country adjacent. Boston, drawn by Meisel Bros. E. P. Dutton & Co., 1860. Size, $29\frac{1}{4} \times 40$ inches. Scale (computed), 1 mile to an inch.

Circles drawn at 1-mile intervals from the State House. Bounds Essex, Lowell, Wrentham, Pembroke.

Essex Institute, Salem.

Same

Folded, and in case marked "New map of the vicinity of Boston." E. P. Dutton & Co.

Essex Institute, Salem.

1861

PINNEY, C.

Atlas of the City of Boston, surveyed, drawn, etc., expressly for the use of the New York and Boston Fire Insurance Cos. and Agents, by C. Pinney, C. E., 1861. Printed by L. Prang, lith., Boston.

Contains 26 plates, index and title. Size of each, $19\frac{1}{2} \times 27\frac{3}{8}$ inches. Scale, approximately, 50 feet to an inch. Shows the brick and wooden buildings colored, the style of roofing, risky buildings, and the location of boilers and ovens.

Assessors' Office, Boston.

Skeleton plan showing the location of the Suffolk and Metropolitan railroad routes in Boston. Size, 6×18 inches. Scale, 1,200 feet to an inch.

Maps and plans, Vol. 29, p. 9

With printed statement, by parties interested.

Massachusetts State Archives.

Plan of South Boston flats. Manuscript tracing showing riparian line; soundings, etc., from Fort Point channel to Castle island. Size, 36×73 inches.

2334 Roll

Massachusetts State Archives.

WALLING, HENRY FRANCIS, AND SIMEON BORDEN.

Boston and adjacent cities. Size, $15\frac{1}{2} \times 16\frac{1}{2}$ inches. Scale, 100 rods to an inch.

Sub-map to Topographical map of the state of Massachusetts, based on the trigonometrical survey, by Simeon Borden; the details from actual surveys under the direction of H. F. Walling [col.], New York. H. & C. T. Smith, 1861. This map contains other sub maps, viz.: Geological map of Massachusetts, by Edward Hitchcock; climatological map of Massachusetts, showing average temperature, amount of rainfall, by Lyman Blodgett; other cities and towns; variation of time from Cambridge observation; census statistics; and table of distances.

Essex Institute, Salem.

DUTTON, EDWARD P., & CO.

Chart of Boston harbor and Massachusetts bay, with map of the adjacent country. Boston, E. P. Dutton & Co., 1861. Size, $18\frac{1}{2} \times 24\frac{1}{4}$ inches. Scale, 1 mile to an inch.

Shows to and including Quincy on the South, Danvers on the north. A reproduction of a portion of Dutton's Map of Boston and vicinity, 1860.

Essex Institute, Salem.

1862

PRANG, LOUIS.

Map of Boston, 1862. Photographically reduced from the city engineer's plans, with all of the latest improvements. A complete guide to strangers, giving the distances from City Hall in $\frac{1}{4}$ mile circles; showing distinctly the hotels, public buildings, steam and horse railroads: ward boundaries and fire districts. [Boston.] L. Prang, 1862. Size, $8\frac{1}{2} \times 11\frac{1}{2}$ inches. Scale (computed), 1,714 feet to an inch. (Two copies.)

George Lamb, Cambridge.

ADAMS, SAMPSON & CO., PUBLISHERS.

City of Charlestown, 1860. Engraved by E. A. Toullon. Boston, Adams, Sampson & Co. [1862]. Size, $7\frac{1}{2} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

Reduced at T. & J. Doane's office from Felton & Parker & Barker's plan. In Charlestown Directory. Adams, Sampson & Co., 1862.

Overseers of the Poor, Boston.

Same *Essex Institute, Salem.*

ADAMS, SAMPSON & CO., PUBLISHERS.

Map of Roxbury. From new surveys by Charles H. Poole. Engraved by E. A. Toullon. Size, $5\frac{1}{2} \times 8\frac{1}{2}$ inches. Scale, 1,000 feet to an inch.

In Roxbury Directory. Adams, Sampson & Co., 1862.

Overseers of the Poor, Boston.

Same *Essex Institute, Salem.*

1863

WIGHTMAN, HENRY MORSE.

Plan of Boston and its vicinity showing the drainage area of Stony Brook, which empties into the full basin of the Back Bay. Compiled and surveyed under the direction of the Back Bay Commissioners appointed by the City of Boston, by H. M. Wightman [1863], Surveyor. A. Meisel, lith. [Plan No. 2.] Size, $22\frac{5}{8} \times 28$ inches. Scale, $2\frac{1}{2}$ miles to an inch.

Street Department (Sewer Division), Boston.

Same *Massachusetts Historical Society.*

COMMISSIONERS ON PUBLIC LANDS.

Plan of lands belonging to the Commonwealth of Massachusetts. Franklin Haven, Edward C. Purdy, Charles Hale, commissioners on public lands. A. Troschler, lith. Size, $17\frac{7}{8} \times 25$ inches. Scale, 160 feet to an inch.

In Public Doc. No. 14, 1863. Twelfth annual report of commissioners on public lands.

Massachusetts State Library.

Sketch of the Hoosac tunnel and western routes from Boston to Schenectady. Plate D, Feb. 17, 1863. Size, 9×31 inches. Scale, 5 miles to an inch.

In Senate Docs. 1863. Report of the commissioners upon the Troy and Greenfield railroad and Hoosac tunnel.

Massachusetts State Library.

Same. Plate E. Profiles of the above. Size, 9×60 inches.

In Senate Docs., 1863.

Massachusetts State Library.

1864

MITCHELL, SAMUEL AUGUSTUS, PUBLISHER.

Plan of Boston. Size, $7\frac{1}{2} \times 9\frac{1}{2}$ inches.

Contains sub-map: Map of the country around Boston, showing also its harbor and islands. Size, 32×43 inches. In Mitchell (Samuel A.) New General Atlas. Phila., S. Augustus Mitchell, Jr., 1864, plate 20.

Essex Institute, Salem.

Plan of lands belonging to the Commonwealth of Massachusetts.
A. Troschler, lith. Size, $12 \times 25\frac{1}{2}$ inches. Scale, 160 feet to an inch.

Vol. 29, p. 1.

Massachusetts State Archives.

BACK BAY COMMISSION.

Plan of lands on the Back Bay belonging to the Boston Water Power Company, the Commonwealth, and other parties, showing the system of streets and sewers as laid out and recommended by the Back Bay Commission. Compiled and surveyed under the direction of the Commissioners, Dec. 6, 1864. H. M. Wightman, surveyor. E. R. Brown, del., A. Meisel, litho. Size, $26\frac{1}{2} \times 51$ inches. Scale, 300 feet to an inch.

Includes portions of the adjacent territory in the cities of Boston and Roxbury and the town of Brookline.

Essex Institute, Salem.

ADAMS, SAMPSON & CO., PUBLISHERS.

City of Charlestown, 1860. Engraved by E. A. Toulton. Boston, Adams, Sampson & Co. [1864]. Size, $7\frac{3}{4} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

Reduced at T. & J. Doane's office, from Felton & Parker & Barker's plan. In Charlestown Directory. Adams, Sampson & Co., 1864.

Overseers of the Poor, Boston.

Same

Essex Institute, Salem.

COMMISSIONERS ON HARBORS AND FLATS.

Plan for the occupation of the South Boston flats by the Commissioners on harbors and flats of Massachusetts, 1864. J. H. Bufford's lith., Boston. Plan A. Size, $14\frac{3}{8} \times 19\frac{1}{4}$ inches. Scale, $\frac{1}{10000}$.

In Senate Doc. No. 125, 1864. Second report of the commissioners of harbors and flats in the Commonwealth.

Massachusetts State Library.

Plan of the first section for the occupation of the South Boston flats by the Commissioners on the harbors and flats of Massachusetts. J. H. Bufford's lith., Boston. Plan B. Size, $14\frac{3}{8} \times 19\frac{1}{4}$ inches. Scale, $\frac{1}{10000}$.

In same document as above.

Massachusetts State Library.

Plan No. 4. For the occupation of flats owned by the commonwealth in Boston harbor, and for connecting the same with the city of Boston. Made under the direction of the legislative committee, showing the system of streets projected over the territory to be filled solid, and the area for a system of docks. A. Meisel, Lith. Size, $14\frac{1}{2} \times 17$ inches. Scale, $\frac{1}{10000}$.

In volume of plans to accompany legislative documents for 1868.

Massachusetts State Library.

1864. — *Continued.*

MITCHELL, SAMUEL AUGUSTUS, PUBLISHER.

Harbor and vicinity of Boston. Size, $2\frac{1}{2} \times 3\frac{3}{4}$ inches.

Sub-map to County map of the states of New York, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut. Plate 16 in Mitchell (Samuel A.) New General Atlas. Phila., S. Augustus Mitchell, Jr., 1864.

Essex Institute, Salem.

1865

STREET RAILWAY COMMISSIONERS.

Railroad map of all street and steam railroads in Boston and vicinity, 1865. Prepared by J. G. Chase, civil engineer, Cambridgeport. A complete map of the city photographically reduced from the city engineer's plan of 1864. Issued from Bufford's print publishing house, Boston. J. H. Bufford, Lith. (col). Size, $23 \times 25\frac{1}{4}$ inches. Scale, 5 miles to an inch.

Show $\frac{1}{2}$ -mile circles drawn from Scollay's building. Includes Charlestown on the north, Brighton on the west, portion of Roxbury on the south, portion of East Boston on the east.

In House Doc. No. 15. Report of the Street Railway Commissioners to the General Court, Jan., 1865, end.

Massachusetts State Library.

COMMISSIONERS ON HARBORS AND FLATS.

Plan of South Boston flats, accompanying the report of Commissioners on Harbors and Flats of the commonwealth, presented January 16, 1866. [MS. tracing.] Size, $18 \times 20\frac{1}{4}$ inches. Scale,

 $\frac{1}{10000}$.

Maps and plans, Vol. 31, p. 11.
Massachusetts State Archives.

Map of Boston by wards, with legal voters in each ward. Size, 7×11 inches.

Sub-map on map of the senatorial districts of Massachusetts as established by the legislature of 1886, with population and legal voters according to census of 1885. Rand, Avery & Co., Boston.

Maps and plans, Vol. 69, p. 2.

Massachusetts State Library.

Vicinity of Boston, showing carrier stations of the free delivery of the Boston Post Office. Size, $5\frac{1}{2} \times 6\frac{3}{8}$ inches. Scale (computed), 2,112 feet to an inch.

Sub-map on Post route map of the states of New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, and parts of New York and Maine. Post Office Department.

2,360 Roll.

Massachusetts State Archives.

1866

ADAMS, SAMPSON & CO., PUBLISHERS.

City of Charlestown, 1860. Engraved by E. A. Toullon. Boston, Adams, Sampson & Co. [1866]. Size, $7\frac{1}{4} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

Reduced at T. & J. Doane's office, from Felton & Parker & Barker's plan. In Charlestown Directory. Adams, Sampson & Co., 1866.

Overseers of the Poor, Boston.

Same

Essex Institute, Salem.

COMMISSIONERS ON HARBORS AND FLATS.

Plan of South Boston flats, accompanying the report of the Commissioners on Harbors and Flats of the commonwealth of Massachusetts, presented January 16, 1866. A. Meisel, Lith. Size, $14\frac{1}{2} \times 21$ inches. Scale, $\frac{1}{60000}$.

In Senate Doc. No. 11, 1866.

Massachusetts State Library.

1867

CRAFTS, N. HENRY.

Plan of Boston, prepared under the direction of the committee on printing, by N. Henry Crafts, city engineer, 1867. Size, $27\frac{1}{2} \times 38$ inches. Scale, 500 feet to an inch.

Shows sub-maps of South and East Boston. For description, see edition of 1861.

Bostonian Society.

SANBORN, DANIEL A.

Insurance map of Boston. Vol. 1, 1867. By D. A. Sanborn, C. E., New York. Corrected by hand Nov., 1871. L. f°. 25 plates with index. Scale of plates, 50 feet to an inch.

Includes portion of Boston between the harbor line and Dover, Tremont, Park, Beacon and Otter streets.

Assessors' Office, Boston.

BAKER & TILDEN, PUBLISHERS.

Map of the city of Boston and its environs from actual surveys and drawn by D. J. Lake, C. E. Manufactured by Walling & Gray, New York. Boston, Baker & Tilden, 1867 (colored). Size, $60 \times 60\frac{1}{2}$ inches. Scale, 2 miles to an inch.

Three copies.

Essex Institute, Salem.

JOHNSON, A. J., PUBLISHER.

Vicinity of Boston. Size, $3\frac{1}{2} \times 3\frac{1}{2}$ inches. Scale, 4 miles to an inch.

Sub-map on Johnson's Massachusetts, Connecticut and Rhode Island. New York, A. J. Johnson, 1867. In his new illustrated atlas of the world.

Essex Institute, Salem.

MASSACHUSETTS BOARD OF HARBOR COMMISSIONERS.

Plan for the occupation of the flats owned by the commonwealth in Boston harbor, approved by the general court, and modified 1867. A. Meisel, Lith. Size, $14\frac{3}{4} \times 19\frac{1}{4}$ inches. Scale, $\frac{1}{10000}$.

In volume of plans to accompany legislative documents for 1868.

Massachusetts State Library.

Same

In House Doc. No. 13, 1869. Third Annual Report of Board of Harbor Commissioners.

Massachusetts State Library.

Same (loose map) No. 3 in *Map 30.11
Boston Public Library.

Plan No. 1, for the occupation of flats owned by the commonwealth in Boston harbor. Made under the direction of the legislative committee, showing various lines of sea wall recommended and location approved by the Governor and Council, Oct. 24, 1867.

A. Meisel, Lith. Size, $14\frac{1}{2} \times 17\frac{1}{4}$ inches. Scale, $\frac{1}{10000}$.

In volume of plans to accompany legislative documents of 1868.

Massachusetts State Library.

Plan No. 2, for the occupation of flats owned by the commonwealth in Boston harbor, and for connecting the same with the city of Boston. Made under the direction of the legislative committee, and with concurrence of the Board of Harbor Commissioners, Dec. 12, 1867. A. Meisel, Lith. Size, $14\frac{1}{2} \times 17$ inches. Scale, $\frac{1}{10000}$.

In volume of plans to accompany legislative documents, 1868.

Massachusetts State Library.

[Plan of sea wall inclosing South Boston flats.] Plan C. J. E. Green, Lith., Boston. [1867?]. Size, $12\frac{1}{2} \times 14\frac{3}{4}$ inches. Scale, 200 feet to an inch.

N. C. "H."-B. (envelope.)

Massachusetts State Library.

1867. — *Continued.*

BACHE, A. D.

Boston harbor, Massachusetts, from a trigonometrical survey under the direction of A. D. Bache, 1867. Size, $27\frac{1}{2} \times 35\frac{1}{4}$ inches. Scale,

$\frac{40000}{1}$.

In U. S. Coast Survey Report, 1867. Chart No. 4.

J. E. Carr, Chelsea.

Same. Edition of 1878.

Massachusetts Historical Society.

1868

CRAFTS, N. HENRY.

Plan of Boston with additions and corrections made by N. Henry Crafts, city engineer, 1868. Published under the direction of committee on printing [Boston, 1868]. Alderman Newton Talbot, chairman committee on printing, Alderman Albert S. Pratt, chairman on engineer's and surveyor's department. A. Meisel, lith. Size, $29 \times 51\frac{1}{2}$ inches. Scale, 500 feet to an inch.

Contains two sub-maps: (1) Plan of East Boston. Size, $72 \times 107\frac{1}{2}$ inches. Scale, 1,000 feet to an inch. (2) Plan of South Boston. Size, $84 \times 103\frac{1}{2}$ inches. Scale, 1,000 feet to an inch.

Assessors' Office, Boston.

SANBORN, DANIEL A.

Insurance map of Boston, Volume 2, 1868. Printed by Korff Bros., N. Y. Corrected October, 1870. L. f^o.

Contains 31 plates, with index. Scale of plates, 50 feet to an inch. Includes portion of Boston (except the Back Bay) between Dover, Tremont, Park, Beacon, and Otter streets, and the boundary line between Boston and Roxbury. Also portion of East Boston bounded by Meridian street on the east, White street on the north, Putnam street on the east, Bennington street on the south, Porter street on the east, Bremen street on the south, and Maverick street on the east. Also portion of South Boston bounded by Dorchester street on the east, Sixth street on the south, E street on the west, Fifth street on the south, B street on the west to the Old Colony railroad.

Assessors' Office, Boston.

SANBORN, DANIEL A.

Insurance map of Charlestown, portions of Roxbury (now annexed to Boston), and Cambridge, 1868. D. A. Sanborn, C. E. Corrected Nov., 1871. L. f^o.

Contains 17 plates and index. Scale of plates, 50 feet to an inch. Includes portion of Roxbury, approximately between Parker and Magazine streets, and St. James and Hummelau streets.

Assessors' Office, Boston.

SAMPSON, DAVENPORT & CO., PUBLISHERS.

City of Charlestown, 1868. Engraved by E. A. Toullon. Boston, Sampson, Davenport & Co. [1868.] Size, $7\frac{1}{2} \times 9$ inches. Scale (computed), 1,156 feet to an inch. Maps and plans, Vol. 47, p. 12

From Charlestown Directory. Sampson, Davenport & Co., 1868.

Massachusetts State Archives.

Same.

In Charlestown Directory.

Essex Institute, Salem.

WILSON, HENRY W.

Plan of lands in South Boston belonging to the estate of the late H. J. Howe, deceased, with partition under warrant of the superior court for the county of Suffolk. W. B. Dorr, Francis James, Wm. Gallagher, Commissioners. Henry W. Wilson, C. E., April, 1868. Size, $21\frac{1}{2} \times 29\frac{1}{4}$ inches. Scale, 100 feet to an inch.

Plan Book, 3 p. 30 a, b, c
Suffolk Registry of Deeds.

1868. — *Continued.*

Plan No. 3; for the occupation of flats owned by the Commonwealth in Boston harbor; and for connecting the same with the city proper. Made under the direction of the legislative committee, and shows the system of streets projected over the territory to be filled solid. Jan. 25, 1868. A. Meisel, lith. Size, $14\frac{1}{2} \times 17$ inches. Scale, $\frac{1}{10000}$.

In volume of plans to accompany legislative documents for 1868.

Massachusetts State Library.

Same. No. 3 in *Map 30.11
Boston Public Library.

MASSACHUSETTS BOARD OF HARBOR COMMISSIONERS.

Plan for the occupation of flats owned by the Commonwealth in Boston, approved and adopted by the general court in 1866, and modified in 1867-8. Meisel, Lith. Size, $14\frac{1}{2} \times 19\frac{1}{2}$ inches. Scale, $\frac{1}{10000}$.
Maps and plans, Vol. 54, p. 30=65, p. 3

Massachusetts State Archives.

Same
In House Doc. No. 55, 1870. Fourth annual report of Board of Harbor Commissioners.

Massachusetts State Library.

Same
In House Doc. No. 53, 1871. Fifth annual report of Board of Harbor Commissioners.

Massachusetts State Library.

Same
In House Doc. No. 65, 1874. Eighth annual report of Board of Harbor Commissioners.

Massachusetts State Library.

Same (loose map)
American Antiquarian Society.

Same
Massachusetts Historical Society.

Same
Walter K. Watkins, Malden.

Same. John E. Green & Co., Lith. On stone, by Ernest W. F. Natter. Size, $10\frac{3}{4} \times 16\frac{1}{2}$ inches. Scale, $\frac{1}{10000}$.

In House Doc. No. 65, 1873. Seventh annual report of Board of Harbor Commissioners.

Plan of the main ship channel in Boston harbor, showing the work of removing certain obstructions to navigation. Prepared under the direction of the Board of Harbor Commissioners of the Commonwealth of Massachusetts. J. Mayer, lith. Size, $18 \times 23\frac{3}{8}$ inches. Scale, $\frac{1}{5000}$.

In volume of plans to accompany legislative documents for 1868.

Massachusetts State Library.

Same No. 4 in *Map 30.11
Boston Public Library.

1869

NANITZ.

Nanitz' Great mercantile map of Boston. [Boston.] B. B. Russell & Co. [1869]. J. Mayer, lith. Size, $42\frac{1}{2} \times 50\frac{1}{2}$ inches. Scale (computed), 100 feet to an inch.

Covers only that part of the city included between Beach street on the southwest, Tremont and Bulfinch streets on the northwest, Cooper and Pitts street on the northeast, and the wharves from Lewis wharf to Wales wharf.

Essex Institute, Salem.

1869. — Continued.**BOARD OF HARBOR COMMISSIONERS.**

Plan showing new locations of draws in Charles and Miller rivers, as determined by the Board of Harbor Commissioners, with extension of bridges as authorized in 1869. Size, $15\frac{3}{4} \times 17\frac{3}{4}$ inches. Scale, 200 feet to an inch.

In House Doc. No. 55, 1870. Fourth annual report of Board of Harbor Commissioners.

Massachusetts State Library.

DAVIS, THOMAS WOOD.

Plan of the town of Dorchester, compiled under the direction of Tho's. W. Davis, city surveyor, by order of the commissioners on annexation, appointed by the mayor, December 31st, 1868. Charles R. Train, Nathl. J. Bradlee, George A. Shaw, commissioners. Drawn by Wm. M. Coombs. [MS.] Size, $47\frac{1}{2} \times 86$ inches. Scale, 500 feet to an inch. A-145

Includes a small portion of West Roxbury and Hyde Park.

Engineering Department (Surveying Division).

THAXTER, S., & SONS, PUBLISHERS.

Eldridge's new chart of Boston harbor, compiled from the latest surveys. Boston, 1869. Published by S. Thaxter & Sons. Size, $14\frac{1}{2} \times 21\frac{1}{2}$ inches. Scale, 1 mile to an inch.

Maps and plans, Vol. 31, p. 26

Massachusetts State Archives.

BOARD OF HARBOR COMMISSIONERS.

Boston harbor improvements at and below the narrows, and special sketch of Barrell and Kelly's rocks, showing progress made in the removal of said rocks by submarine blasting, under the direction of Br't. Maj. Genl. J. G. Foster, 1869. Size, $14\frac{7}{8} \times 19\frac{1}{4}$ inches.

In House Doc. No. 55, 1870. Fourth annual report of Board of Harbor Commissioners.

Massachusetts State Library.

1870**JOHNSON, A. J., PUBLISHER.**

Boston and vicinity. New York, A. J. Johnson, 1870. Size, $17 \times 21\frac{3}{8}$ inches. Scale (computed), 1,760 feet to an inch.

Essex Institute, Salem.

STATE BOARD OF HEALTH.

Health districts of the City of Boston, arranged by State Board of Health to show mortality, 1870. Size, $12\frac{1}{2} \times 20\frac{1}{2}$ inches. Scale (computed), 2,112 feet to an inch.

In Public Doc. No. 37, 1870. Report of State Board of Health.

Massachusetts State Library.

Same. Health districts and undrained and filled land. Size, $20\frac{1}{2} \times 23\frac{3}{4}$ inches. Scale (computed), 2,223 feet to an inch.

In Senate Doc. No. 50, 1871.

Massachusetts State Library.

Map of Brighton, 1870. Size, $4 \times 7\frac{1}{2}$ inches. Scale (computed), 1,056 feet to an inch.

Showing Abattoir built since 1870. In Public Document No. 30, 1875. Report of State Board of Health.

Massachusetts State Library.

SAMPSON, DAVENPORT & CO., PUBLISHERS.

City of Charlestown, 1870. Engraved by E. A. Toulton. Boston, Sampson, Davenport & Co. [1870.] Size, $7\frac{3}{4} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

In Charlestown Directory. Sampson, Davenport & Co., 1870.

Overseers of the Poor, Boston.

1870.—Continued.

DAVIS, THOMAS WOOD, CITY SURVEYOR.

Plan of the town of Dorchester, compiled under the direction of Thomas W. Davis, city surveyor, by order of the commissioners on annexation, appointed by the mayor December 31, 1868. Corrected, 1870. (Lith.) Size, $34 \times 51\frac{1}{8}$ inches. Scale, 500 feet to an inch.

Assessors' Office, Boston.

Same

This map is in two parts and mounted on board. To the plan have been added sketch of water sheds and water courses, by C. W. Folsom, C. E. Drainage area of Dorchester bay and Neponset river to April, 1870; of Stony brook, 1874.

Street Department (Sewer Division), Boston.

Same

A blue print, from tracing made in 1893, and shows water sheds and courses by C. W. Folsom, C. E.

Street Department (Sewer Division), Boston.

BOARD OF HARBOR COMMISSIONERS.

Boston Harbor improvements. Sketch showing works in main ship channel carried on under the direction of Lt. Col. J. G. Foster of corps of engineers, in 1870. Size, $14\frac{1}{2} \times 19\frac{1}{2}$ inches. Scale, $\frac{1}{40000}$.

Maps and plans, Vol. 58, p. 12
Massachusetts State Archives.

Same

In House Doc. No. 53, 1871. Fifth annual report of the Board of Harbor Commissioners.

Massachusetts State Library.

HEWINS, E. H.

Plan for the occupation of a portion of the Charles river basin, prepared by E. H. Hewins, under the direction of the committee appointed under the order of the House of Representatives, June 17, 1869. A. Meisel, lith. Size, $16\frac{3}{4} \times 25\frac{1}{2}$ inches. Scale, $\frac{1}{30000}$.

Maps and plans, Vol. 58, p. 13
Massachusetts State Archives.

Same

In House Doc. No. 240, 1870. Report relative to the flats and areas of the Commonwealth.

Massachusetts State Library.

1871

Plan of Boston, showing location of sewers and manholes, 1871. W. C. Peters, del. Size, $46\frac{1}{16} \times 83\frac{1}{2}$ inches.

Shows Boston as far as Ruggles street. Original shore lines shown; also contours every five feet.

Street Department (Sewer Division), Boston.

WALLING, H. F., & C. W. GRAY.

Map of the compact portions of Boston and the adjacent cities and towns. Size, $14\frac{3}{8} \times 23$ inches. Scale, 100 rods to an inch.

Sub-map showing the present limits of the city of Boston. Size, $4\frac{3}{8} \times 5$ inches. Scale, 100 rods to an inch.

In Atlas of Massachusetts. Boston, Stedman, Brown & Co. (Two copies).

Essex Institute, Salem.

1871. — *Continued.*

HARBOR AND RAILROAD COMMISSIONERS.

Plan of the new terminal stations and bridges for the four railroads entering Boston from the north side. Prepared under the direction of the joint board of harbor and railroad commissioners, as authorized in 1870. H. W. Longfellow, Lith. Size, $12\frac{3}{4} \times 22$ inches. Scale, 400 feet to an inch.

In Senate Doc. No. 179, 1871.

Massachusetts State Library.

1872.

PRANG, LOUIS, & COMPANY.

Map of Boston, 1872. After the latest surveys, with all the improvements in progress. Boston, 1872. Size, $14\frac{3}{4} \times 25\frac{1}{2}$ inches. Scale (computed), 1,000 feet to an inch.

Contains sub-map of East Boston. Size, $4\frac{1}{2} \times 5\frac{1}{2}$ inches. Scale, 2,000 feet to an inch. In Osgood (James R.) New England, 1874. 2369a65

Boston Public Library.

RUSSELL, B. B.

Russell's map of Boston from the latest surveys. J. Mayer & Co., Lith. Boston, B. B. Russell, 1872. Size, $15\frac{3}{4} \times 24$ inches. Scale (computed), 1,000 feet to an inch.

Contains sub-map of East Boston. Size, $4 \times 5\frac{1}{2}$ inches. Scale (computed), 2,087 feet to an inch. On reverse side Russell's Map of Massachusetts.

Essex Institute, Salem.

BALL, PHINEHAS.

Map of a portion of Cambridge, Somerville and Charlestown, showing drainage area of Miller's river and basins. Compiled from maps of the respective cities. Phinehas Ball, civil engineer, Worcester, Mass. [Photo.] Size, $10\frac{1}{2} \times 18\frac{3}{4}$ inches.

Massachusetts Historical Society.

SAMPSON, DAVENPORT & CO., PUBLISHERS.

City of Charlestown, 1872. Engraved by E. A. Toullon. Boston, Sampson, Davenport & Co. [1872.] Size, $7\frac{3}{4} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

In Charlestown Directory. Sampson, Davenport & Co., 1872.

Overseers of the Poor, Boston.

Same

Essex Institute, Salem.

1873

SANBORN, DANIEL A.

Insurance maps of Boston. Volume one. D. A. Sanborn, C. E. (National diagram bureau), New York, 1873. Corrected to Feb. 6, 1883. F°. Vol. 91

Contains street index, index to public buildings, and graphic index to plates: all on same sheet. Scale of index, 500 feet to an inch. Contains 25 plates, showing buildings, colored. Scale, 50 feet to an inch. The atlas was corrected March, 1875; June, 1876; Febr., 1878; Febr., 1879; Febr., 1880; April, 1881; March 1882; Febr. 6, 1883.

Engineering Department (Surveying Division).

SAMPSON, DAVENPORT & CO., PUBLISHERS.

City of Charlestown, 1873. Engraved by E. A. Toullon. Boston, Sampson, Davenport & Co. [1874.] Size, $7\frac{3}{4} \times 9$ inches. Scale (computed), 1,156 feet to an inch.

In Charlestown Directory. Sampson, Davenport & Co., 1874.

Overseers of the Poor, Boston.

1873 — Continued.

Same *Essex Institute, Salem.*

DAVIS, THOMAS WOOD.

Plan of Roxbury from actual surveys, made under the direction of Thomas W. Davis, city surveyor, 1873. Fred. H. Spring, del. Size, $67\frac{1}{2} \times 76\frac{1}{2}$ inches. Scale, 200 feet to an inch. A-89

A manuscript plan, showing public streets in color (burnt sienna); corrected to about 1891.

Engineering Department (Surveying Division).

MOSES, THEODORE BLAND.

Plan of the Town of West Roxbury, compiled from various plans and surveys by order of the Selectmen by T. B. Moses, surveyor, 1873. A. Meisel, Lith., Boston. Size, $47\frac{1}{2} \times 67$ inches. Scale, 400 feet to an inch.

Street Department (Sewer Division), Boston.

Same, showing topography.

Street Department (Sewer Division) Boston.

ATKINSON, EDWARD, AND HERBERT F. KEITH.

Plan for the connection of the western and northwestern railroads, including the Hoosac tunnel lines, with deep water at South Boston, on the lands of the Commonwealth. By Edward Atkinson and Herbert F. Keith, C. E., September, 1873. J. K. Gardner, Lith. Size, $16 \times 25\frac{3}{4}$ inches. Scale, (computed), 1 mile to an inch.

Includes Revere on the northeast, Sudbury on the northwest, South Framingham on the southwest, Quincy on the southeast, and the islands in the harbor east to Peddocks island. Shows profile of railroad. In House Doc. No. 100, 1875. Statement B. of the president of the Boston and Northwestern R.R. Co.

Massachusetts State Library.

1874

A. WILLIAMS & CO., PUBLISHERS.

Map of Boston. Published by A. Williams & Co. J. H. Bufford's Sons. Lith. Copyright by Sampson, Davenport & Co., 1874. Size, $26\frac{1}{2} \times 32\frac{1}{2}$ inches. Scale, 100 rods to an inch. [col.]

Topographical additions by C. W. Folsom, C. E.

Street Department (Sewer Division), Boston.

WALLING, HENRY FRANCIS.

Boston. 15 miles around. Size, $5\frac{1}{2} \times 5\frac{1}{2}$ inches.

Sub-map to map of New England, with adjacent portions of New York and Canada. Size, $14\frac{1}{2} \times 21$ inches. Scale (computed), 23.5 miles to an inch. Cut from Pathfinder Railway Guide. Geo. K. Snow and Rand, Avery & Co., Boston, 1874. From the office of H. F. Walling, Boston.

Essex Institute, Salem.

SANBORN, DANIEL A.

Insurance maps of Boston, Volume two [showing the South end, portion of the Back Bay and Roxbury, south to Dudley street]. New York, D. A. Sanborn, C. E., June, 1874. L. f°. Corrected to March, 1875, to July, 1878. Vol. 92

Contains 31 plates and graphic index and street index. Scale of index, 500 feet to an inch; of plates, 50 feet to an inch.

Engineering Department (Surveying Division).

FOLSOM, C. W.

Topographical map of West Roxbury and vicinity, made under the direction of W. H. Bradley, superintendent of sewers, by C. W.

1874. — *Continued.*

Folsom, C. E., 1874. Size, $61\frac{1}{2} \times 86\frac{1}{2}$ inches. Scale, 400 feet to an inch. (col.)

A plan of West Roxbury by T. B. Moses, 1873, was used as a base, the additional topography and the portion of Needham and Dedham being added by hand.

Street Department (Sewer Division), Boston.

RAILROAD COMMISSIONERS.

Map of the railroads of the state of Massachusetts, accompanying the report of the railroad commissioners, 1874. Engraved and printed by Rand, Avery & Co. Size, 27×37 inches. Scale, 6 miles to an inch.

In Public Doc. No. 29, 1874. Sixth annual report of the Railroad Commissioners.

Massachusetts State Library.

HARBOR COMMISSIONERS.

Hydrographical plan of man of war shoal, Boston upper harbor, surveyed under the direction of the Massachusetts Board of Harbor Commissioners, Sept., 1874. Meisel, lith. Size, $17 \times 18\frac{1}{2}$ inches. Scale, 200 feet to an inch.

Maps and plans, Vol. 46, p. 20

Massachusetts State Archives.

Same

In House Doc. No. 75, 1876. Tenth annual report of Board of Harbor Commissioners.

Massachusetts State Library.

OSGOOD, JAMES R., & CO., PUBLISHERS.

Plan of the U. S. navy yard, Boston, Mass., 1874. Reduced by Heliotype Printing Co. Size, $5\frac{1}{2} \times 8$ inches. Scale (computed), 470 feet to an inch.

Shows soundings at water front in feet at mean low water. In Winsor (Justin) Memorial History of Boston. Boston, James R. Osgood & Co., 1881. Vol. 3, p. 366

Engineering Department (Surveying Division).

1875

STATE BOARD OF HEALTH.

Map of Boston, 1875. From A. Williams & Co. map of Boston and the adjacent country, 1872. Heliotype [Printing Co., Boston]. Size, $14\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale (computed), 1 mile to an inch.

Bonnda Lynn, Winchester, Dedham, Hingham. Shows proposed main drainage.

In Public Doc. No. 39, 1875. Report of State Board of Health.

Massachusetts State Library.

Same

Contains the note: Tinted portion shows corporate limits of Boston; red dots represent sewer outlets; red lines show proposed main drainage system.

In Senate Doc. No. 100, 1876. Seventh annual report of the State Board of Health.

Massachusetts State Library.

OSGOOD, JAMES R., & CO., PUBLISHERS.

Map of Boston. Heliotype. Size, $7\frac{3}{4} \times 15\frac{1}{2}$ inches. Scale (computed), 1,846 feet to an inch.

In Osgood (James R. & Co.) New Pocket Guide to Boston and Vicinity, 1875.

2359a55

Boston Public Library.

STATE BOARD OF HEALTH.

Plan of Charles river, showing the drainage area (317 square miles). Size, 17×22 inches. Scale (computed), $1\frac{1}{10}$ miles to an inch.

In Public Doc. No. 30, 1875. Report of State Board of Health.

Massachusetts State Library.

1875.—Continued.

Plan showing the progress of work done by Cambridge Improvement company on Charles river, Dec. 1, 1875. Size, $17\frac{1}{2} \times 23\frac{1}{2}$ inches. Scale, 200 feet to an inch.

Massachusetts State Library.

Plan of South Boston flats, showing location of sea walls and area of excavations and filling, 1875. Size, $16\frac{1}{2} \times 20\frac{1}{2}$ inches. Scale, 200 feet to an inch.

Maps and plans, Vol. 46, page 19.
Massachusetts State Archives.

Same
In House Doc. 1876. Tenth annual report of the Board of Harbor Commissioners.

Massachusetts State Library.

STATE BOARD OF HEALTH.

Plan showing drainage area of Neponset river [116 square miles]. Size, $14\frac{5}{8} \times 19\frac{1}{4}$ inches. Scale (computed), $1\frac{1}{2}$ miles to an inch.

In Public Doc. No. 30, 1875. Report of State Board of Health.

Massachusetts State Library.

SANBORN, DANIEL A.

Insurance map of Boston, volume 3 (South and East Boston). Published at the National Insurance Diagram Bureau, New York City, by D. A. Sanborn, C. E., 1875. Corrected to June, 1876. L. f.
Vol. 93.

Contains 28 plates and index. Scale of index (computed), 400 feet to an inch; of plates, 50 feet to an inch.

Engineering Department (Surveying Division).

WILSON, HENRY W.

Plan for the occupation of flats owned by the Commonwealth in Boston harbor. Presented by the joint special committee appointed under chapter 88 of the resolves of 1874. Boston, Jan. 1, 1875. Henry W. Wilson, civil engineer. Heliotype [Printing Co., Boston]. Size, $19\frac{1}{2} \times 23\frac{1}{2}$ inches. Scale (computed), 735 feet to an inch.

In House Doc. No. 100, 1875. Report of the committee appointed under chapter 88 of the resolves of 1874 in relation to the use of the Commonwealth flats at South Boston, Jan., 1875.

Massachusetts State Library.

COLTON, C. B. & G. W.

Map showing railroad routes from Boston to the west. Size, 21×38 inches. Scale, 20 miles to an inch.

Bounds Somerset (Me.); Montgomery (Mich.); Cincinnati (Ohio); Atlantic City (N. J.). In House Doc. No. 9, 1875. Report of the Boston, Hoosac Tunnel and Western railroad company.

Massachusetts State Library.

STATE BOARD OF HEALTH.

Index map showing the principal river basins of Massachusetts. Size, 18×29 inches. Scale (computed), $7\frac{1}{2}$ miles to an inch.

In Public Doc. No. 39, 1875. Seventh annual report of the State Board of Health.

Massachusetts State Library.

STATE BOARD OF HEALTH

Map showing health districts and undrained and filled land. Heliotype [Printing Co., Boston]. Size, $20\frac{1}{4} \times 23\frac{3}{8}$ inches. Scale (computed), 842 feet to an inch.

Half mile circles drawn from City Hall. Various health districts colored. Shows topography. In Senate Doc. No. 100, 1876. Seventh annual report of the State Board of Health. Also Public Doc. No. 30, 1875.

Massachusetts State Library.

1876

WALLING, H. F.

Map of Boston showing senatorial districts as established in 1866.

Size, $7\frac{1}{2} \times 9\frac{1}{2}$ inches. Scale (computed), 1,655 feet to an inch.Boston and vicinity. Size, $9 \times 12\frac{1}{2}$ inches.

Bounda Scituata, Beverly, Ashland, Carlisle.

Sub-maps and maps of Massachusetts prepared under the direction of the Secretary of the Commonwealth by H. F. Walling, 1876. Forbes Lith. Mfg. Co.

Maps and plans, Vol. 67, pp. 5-13

Massachusetts State Archives.

Same. Boston; and Boston and vicinity.

Sub-maps on map of Massachusetts showing councillor districts as established in 1866. Prepared under the direction of the Secretary of the Commonwealth, by H. F. Walling.

Massachusetts Historical Society.

SANBORN MAP AND PUBLISHING CO.

Insurance maps of Boston, Volume four, comprising portions of Charlestown, East Cambridge, Cambridge Port, Old Cambridge and Somerville. New York, Sanborn Map & Publishing Co., 1876.

Corrected to April, 1877. L. f.

Vol. 94

Contains 27 plates, graphic and street index. Scale of index, 600 feet to an inch; of plates, 50 feet to an inch.

Engineering Department (Surveying Division).

WILSON, HENRY W.

Plan of the Commonwealth flats at South Boston, made under the direction of Sam^l. Little, H. C. Bacon, W. P. Phillips, agents under Acts of 1875. From surveys by H. W. Wilson, engineer. Size, 22×25 inches. Scale (computed), 666 feet to an inch.

In Senate Doc. No. 16, 1877. First report of the agents of the Commonwealth for the Commonwealth flats at South Boston.

Massachusetts State Library.

HARBOR COMMISSIONERS.

Plan of South Boston flats showing location of sea walls and area of excavations and fillings. Size, 17×22 inches. Scale, 200 feet to an inch.

In House Doc. No. 25, 1877, and Public Doc. No. 33, 1877. Eleventh annual report of the Board of Harbor Commissioners.

Massachusetts State Library.

STATE BOARD OF EDUCATION.

Boston and vicinity, sub-map to Educational Map of Massachusetts, drawn under the direction of the State Board of Education for the International Centennial Exhibition at Philadelphia, 1876, by William R. Fish, Civil Engineer, Boston. Size, $3\frac{1}{2} \times 3\frac{1}{2}$ inches. Scale, 640 rods to an inch.

In 40th annual report of State Board of Education, Public Doc. No. 2, 1876; gives population and statistics as regards schools, academics, colleges, universities and free libraries.

Massachusetts State Library.

HARBOR COMMISSIONERS.

Map of a portion of Boston harbor showing location of excavations, already done, in progress and proposed. Size, $19\frac{1}{2} \times 22$ inches. Scale, 300 feet to an inch.

In House Doc. No. 25, 1877. Eleventh annual report of Board of Harbor Commissioners.

Massachusetts State Library.

1877

FOLSOM, C. W.

Plan of Brighton showing water sheds and water courses, by C. W. Folsom. 20 sheets, bound. Size, $10\frac{1}{2} \times 12$ inches.

A plan of Brighton by Wightman & Jackson, 1873, was used as a base.

Street Department (Sewer Division), Boston.

Same (in one sheet). Size, 39×60 inches.

Street Department (Sewer Division), Boston.

Same (blue print, made from tracing copied 1892).

Street Department (Sewer Division), Boston.

HARBOR AND LAND COMMISSIONERS.

Plan showing harbor line in Charles river. (From West Boston bridge to Brookline street bridge.) Size, $13\frac{5}{8} \times 25\frac{3}{4}$ inches. Scale, $\frac{1}{50000}$.

In Public Doc. No. 33, 1877. Annual report of Harbor and Land Commissioners.

Massachusetts State Library.

HARBOR AND LAND COMMISSIONERS.

Plan of South Boston Flats, showing locations of Sea Walls and area of excavation and filling. Size, $20\frac{1}{2} \times 24$ inches. Scale, 200 feet to an inch. A. Meisel, Lith.

In Public Doc. No. 33. Annual report of Board of Harbor and Land Commissioners, 1877.

Massachusetts State Library.

Maps of the associated roads forming the Hoosac Tunnel line (Boston to St. Louis) and the Burlington line. Prepared by Edward Frost, C. E., Boston. A. H. Houghton, del. American Photo-lith. Co., N. Y. Osborne process. Size, $10\frac{1}{2} \times 23\frac{1}{4}$ inches.

In Senate Doc. No. 170, 1877. Report of committee on the Troy and Greenfield railroad.

Massachusetts State Library.

1878

SAMPSON, DAVENPORT & COMPANY, PUBLISHERS.

Map of Boston. Published especially for the Boston Directory. Boston, 1878. Size, $26\frac{1}{2} \times 32\frac{3}{4}$ inches. Scale, 100 rods to an inch.

Massachusetts Historical Society.

City of Boston. Voting precincts, 1878. Boston Heliotype Printing Co., 1878. 25 plates. Size, $9\frac{3}{8} \times 12$ inches.

Each map is attested to by S. F. McCleary, city clerk.

The first division of wards into precincts.

Engineering Department (Surveying Division).

Same *4450.32
Boston Public Library.

RAILROAD COMMISSIONERS.

Map of railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1878. J. H. Bufford's Sons, Lith. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

Also shows post routes and offices, and population of cities and towns in 1875, and valuation in 1877. In Public Doc. No. 14, 1878. Report of Railroad Commissioners.

Massachusetts State Library.

JONES, J. EDWIN.

Plan of Mt. Hope cemetery, belonging to the city of Boston. Compiled and surveyed under the direction of Thomas W. Davis, city

1878. — *Continued.*

surveyor. By J. E. Jones, 1878. Size, $25\frac{1}{2} \times 39$ inches. Scale, 100 feet to an inch.

Cemetery Department, Boston.

HARBOR AND LAND COMMISSIONERS.

Map of Boston upper harbor, illustrating improvements made in its channels. Size, $13 \times 23\frac{1}{2}$ inches. Scale, $\frac{1}{100,000}$.

In Public Doc. No. 33, 1878. Report of Board of Harbor and Land Commissioners.
Massachusetts State Library.

Same. Sketch of resurvey of wharf lines of Boston upper harbor, showing triangulations and geographical positions, and topographical sheets, based upon the triangulations of the U. S. coast survey. Size, $15\frac{1}{2} \times 25\frac{1}{2}$ inches. Scale, $\frac{1}{200,000}$.

In Public Doc. No. 33, 1878. Report of Board of Harbor and Land Commissioners.
Massachusetts State Library.

1879

SAMPSON, DAVENPORT & COMPANY, PUBLISHERS.

Map of Boston. Published expressly for the Boston Directory. Boston, 1879. Size, $26\frac{1}{4} \times 32$ inches. Scale, 100 rods to an inch.

Massachusetts Historical Society.

MITCHELL, SAMUEL AUGUSTUS, PUBLISHER.

Plan of Boston. Size, $12 \times 19\frac{1}{4}$ inches. Scale (computed), 1,297 feet to an inch.

Contains sub-map: Map of the country around Boston, showing also its harbor and islands. Size, $3\frac{3}{8} \times 4\frac{5}{16}$ inches. In Mitchell (S. Augustus) New General Atlas. Phila., Mitchell, 1879, pp. 26-27.

Essex Institute, Salem.

DAVIS, THOMAS WOOD, CITY SURVEYOR.

Plan of Charlestown compiled under the direction of Thomas W. Davis, city surveyor, 1879. G. F. Loring, del. Bufford's rheotype process. A. Williams & Co., publishers, Boston. Size, $32\frac{1}{2} \times 47\frac{1}{2}$ inches. Scale, 250 feet to an inch.

To this plan have been added by hand contours, drainage areas, water sheds and sewers.

Street Department (Sewer Division), Boston.

BOSTON BOARD OF HEALTH.

Charles River Flats and outlets of Cambridge Sewers. Size, $14\frac{1}{2} \times 21\frac{1}{2}$ inches. Scale (computed), 1,075 feet to an inch.

In City Doc., 1879. Vol. 3, No. 89.

6356.1.

Boston Public Library.

1880

SAMPSON, DAVENPORT & COMPANY, PUBLISHERS.

Map of Boston. Published expressly for the Boston Directory, Boston, 1880. Size, $26\frac{3}{4} \times 32\frac{3}{8}$ inches. Scale, 100 rods to an inch.

Massachusetts Historical Society.

PHOTO-ELECTROTYPE CO., PUBLISHERS.

Illustrated map of Boston and strangers' guide to places of interest. Compiled and published by the Photo-electrotype Co., 1880. J. P. S.—F. M. S., del. Size, $14 \times 20\frac{3}{8}$ inches.

The map shows the relative position of the main thoroughfares, public buildings, and points of interest in Boston and vicinity, and is not drawn to scale. Includes about one half of East Boston on the northeast, a portion of Belmont on the north-

1880. — Continued.

west, Brookline on the southwest, Squantum on the southeast, including portions of Deer and Lovell's islands.

Cut from the New England Pictorial, Jan., 1881. The publishers state that the map is gotten up on the plan carried out in guide books of London and Paris, and it is believed to be the first of its kind ever published in this country.

Walter K. Watkins, Malden.

DAVIS, THOMAS WOOD.

Map of Dorchester, from surveys under the direction of Thomas W. Davis, city surveyor, Boston, 1880. [W. S. Coffin, del.] Size, 50×69½ inches. Scale, 400 feet to an inch. A-84

A manuscript plan showing public streets in color (burnt sienna); corrected to about 1891.

Engineering Department (Surveying Division).

DAVIS, THOMAS WOOD.

Plan of Dorchester, from surveys under the direction of Thomas W. Davis, city surveyor, 1880. Heliotype Printing Co., 1880. Size, 52½×64½ inches. Scale, 400 feet to an inch.

Street Department (Sewer Division), Boston.

DAVIS, THOMAS WOOD, CITY SURVEYOR.

Plan of East Boston, 1880. Boston, Geo. F. Loring, del. Photo lith. Size, 19×40½ inches. Scale, 400 feet to an inch.

Street Department (Sewer Division), Boston.

Same

Water sheds and drainage areas have been added by hand.

Street Department (Sewer Division), Boston.

Same

Sewers have been added by hand.

Street Department (Sewer Division), Boston.

Same. Published by A. Williams & Co.

Main and intercepting sewers and outlets have been added by hand.

Street Department (Sewer Division), Boston.

Same

Manholes and catch-basins have been added by hand.

Street Department (Sewer Division), Boston.

WHITMAN & BRECK.

Plan showing land of Boston Land Company in Orient Heights and Revere. Whitman & Breck, surveyors. Scale, 300 feet to an inch.

Street Department (Sewer Division), Boston.

RAILROAD COMMISSIONERS.

Map of railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1880. J. H. Bufford's Sons, Lith. Size, 24×32½ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1880.

Massachusetts State Library.

HARBOR AND LAND COMMISSIONERS.

Plan showing encroachments upon the inner basin of Boston harbor. To accompany annual report of the Harbor and Land Commissioners. Heliotype. Size, 26×31 inches. Scale, 2000 feet to an inch.

In Public Doc. No. 11, 1880.

Massachusetts State Library.

1881

POPE, FRED.

Map showing horse railroads and the surface steam roads, with 104 stations, in and around Boston, including 91 surface railroad stations within a radius of six miles from City Hall. Boston. Fred Pope (1881). J. H. Bufford's Sons, Boston and New York. Size, $23\frac{1}{4} \times 28$ inches. Scale (computed), 2,400 feet to an inch.

Maps and plans, Vol. 67, p. 19.

Reduced from a Hopkins map, and additions made.

Massachusetts State Archives.

Same

Massachusetts Historical Society.

STATE BOARD OF HEALTH.

Map of proposed metropolitan drainage, 1881. Compiled by Crafts & Forbes, civil engineers, Boston. E. S. Chesbrough, H. P. Walcott, Chas. F. Folsom, A. W. Boardman, Azel Ames, jr., commissioners. Size, $29 \times 30\frac{1}{2}$ inches. Scale (computed), 1 mile to an inch.

In Public Doc. No. 17, 1881. Annual report of the State Board of Health, Lunacy and Charity.

Massachusetts State Library.

BOSTON PARK COMMISSIONERS.

Map showing the position of Muddy river in relation to Back Bay, Commonwealth avenue, the Common, and adjacent districts of Boston and Brookline. Size, $3\frac{1}{4} \times 10\frac{1}{4}$ inches. Scale (computed), 2,413 feet to an inch.

Sub-plan on general plan for the sanitary improvement of Muddy river, etc., 1881. In annual report of Park Commissioners, 1882.

Park Commissioners, Boston.

RAILROAD COMMISSIONERS.

Map of the railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1881. J. H. Bufford's Sons, lith. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1881. Thirteenth annual report of the Railroad Commissioners.

Massachusetts State Library.

1882

Boston and vicinity. Size, $4\frac{1}{2} \times 5$ inches.

Sub-map on outline map of the Commonwealth of Massachusetts, with population of 1880, and congressional districts as proposed May 9, 1882. Rand, Avery & Co. Heliotype Printing Co., Boston.

Maps and plans, Vol. 68, p. 8.

Massachusetts State Archives.

Same

Essex Institute, Salem.

ENGINEERING DEPARTMENT.

East Boston. Size, $14\frac{1}{2} \times 16\frac{1}{2}$ inches. Scale, 800 feet to an inch. Heliotype.

Shows Wood Island Park. In City Doc. No. 20. Annual report of Park Department.

Boston Park Commissioners.

HARBOR AND LAND COMMISSIONERS.

Plan of part of the Charles river, showing encroachments of bridge structures and physical changes in the river between the U. S. Navy Yard and West Boston bridge. Survey made during August, September, and October, 1882. To accompany report of the Harbor and Land Commissioners for the year 1882. Size, $18 \times 41\frac{1}{2}$ inches. Scale, 200 feet to an inch.

In Public Doc. No. 11, 1882.

Massachusetts State Library.

1882. — Continued.

Same (loose map) 2987 Roll
Massachusetts State Archives.

RAILROAD COMMISSIONERS.

Map of the railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1882. J. H. Bufford's Sons, lith. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1882. Fourteenth annual report of the Railroad Commissioners.

Massachusetts State Library.

DAVIS, THOMAS WOOD.

Plan of the burialground in the Dorchester district. Boston, City Surveyor's office, 1882 [MS.]. Size, $26\frac{1}{2} \times 51$ inches. Scale, 16 feet to an inch.

Cemetery Department, Boston.

1883

SAMPSON, DAVENPORT AND COMPANY, PUBLISHERS.

Map of Boston. Published expressly for the Boston directory. Boston, 1883. [col.] Size, $26\frac{1}{2} \times 38\frac{1}{2}$ inches. Scale, 100 rods to an inch.

Massachusetts Historical Society.

KING, MOSES, PUBLISHER.

Map of the City of Boston and Suburbs, designed and engraved expressly for the Hoosac Tunnel Route. Size, $6\frac{1}{2} \times 10\frac{1}{4}$ inches. Scale (computed), 1,700 feet to an inch.

Vest pocket edition; in folder.

Massachusetts Historical Society.

HARBOR AND LAND COMMISSIONERS.

Plan of a part of Boston harbor, showing improvements made in its channels by the United States, and the Commonwealth of Massachusetts, to accompany report of the Harbor and Land Commissioners for the year 1883. A. Meisel, lith. Size, $27\frac{1}{2} \times 53$ inches. Scale (computed), 842 feet to an inch.

In Public Doc. No. 11, 1883.

Massachusetts State Library.

Same (loose map) 2950 Roll
Massachusetts State Archives.

1884

UNITED STATES COAST AND GEODETIC SURVEY.

Boston harbor, Mass., from a trigonometrical survey under the direction of A. D. Bache, supt. of the survey of the coast of the United States. Edition of 1867. Issued in April, 1878. Aids to navigation corrected to 1884. Size, $28\frac{1}{2} \times 35\frac{1}{2}$ inches. Scale, $\frac{1}{30000}$.

Maps and plans, Vol. 64, p. 10.

On the map are drawn (in red) the boundary lines in tide water of portions of the counties of Suffolk and Essex and towns therein bordering on the sea, as located and defined by the Board of Harbor and Land Commissioners, pursuant to Chapter 146 of the Acts of 1881, and is described in their report filed November 1, 1884. Shows from Scituate to Nahant.

Massachusetts State Archives.

UNITED STATES COAST AND GEODETIC SURVEY.

Boston bay and approaches. [Washington, 1884.] Size, $29\frac{1}{2} \times 37\frac{1}{2}$ inches. Scale, $\frac{1}{30000}$. [Coast Chart, 109. Plate 2364.] 3 views.

Maps and plans, Vol. 64, p. 11.

Shows boundary lines as noted above, in portion of Essex county, Bounds Marshfield to Cape Ann.

Massachusetts State Archives.

1884. — Continued.

UNITED STATES COAST AND GEODETIC SURVEY.

Coast charts 9 and 10, showing the coast from Cape Ann to Cape Cod.
Size, $37\frac{1}{2} \times 61\frac{1}{2}$ inches. Scale, $\frac{1}{50,000}$. 2473 Roll

Shows boundary lines as noted above, in Plymouth, Norfolk, and parts of Suffolk and Essex counties.

Massachusetts State Archives.

RAILROAD COMMISSIONERS.

Map of the railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1884. J. H. Bufford's Sons, lith. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1884. Sixteenth annual report of the Railroad Commissioners.

Massachusetts State Library.

1885

The proposed ward boundaries of the city of Boston, showing the new ward boundaries as proposed by the special council committee appointed to devise a scheme to divide the city into 24 wards, so as to equalize the population in each. Size, $15\frac{1}{2} \times 22$ inches. Scale (computed), $\frac{1}{2}$ mile to an inch.

Half-mile circles drawn from City Hall. The principal streets only are shown. The easterly portion of East Boston, and Breed's island; the westerly boundary of Brighton and West Roxbury are not shown. Cut from the Boston Sunday Herald of Nov. 15, 1885, p. 13.

Walter K. Watkins, Malden.

RAILROAD COMMISSIONERS.

Map of the railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1885. J. H. Bufford's Sons, lith. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1885. Seventeenth annual report of the Railroad Commissioners.

Massachusetts State Library.

1886

BOSTON PARK COMMISSIONERS.

Map of Boston and of a part of its suburbs, showing public recreation grounds, burial-grounds, and certain other public properties generally free from buildings. [By Frederic Law Olmstead.] Heliotype Printing Co. Size, $27\frac{1}{2} \times 34\frac{1}{2}$ inches. Scale (computed), 1,463 feet to an inch. Contains sub-map of Boston Harbor. Size, $4\frac{1}{2} \times 6\frac{1}{2}$ inches. Scale (computed), 8,564 feet to an inch.

In notes on the plan of Franklin Park and related matters. Printed for the department, 1886. Opp. p. 24.

Park Commissioners, Boston.

Same

Massachusetts Historical Society.

Same, loose map

Massachusetts Historical Society.

STONY BROOK COMMISSION.

Plan of the water shed of Stony brook, July, 1886. Size, $16\frac{1}{2} \times 26\frac{1}{2}$ inches. Scale (computed), 1,600 feet to an inch. A-147

NOTE.—Shows boundaries of main and subsidiary water sheds, areas of water sheds above various points on Stony brook, surface flooding along main stream in the city limits, and areas in Roxbury where cellars only flood.

Plan and profile of proposed channel of Stony brook, to prevent flooding in Roxbury. Size, $7\frac{1}{2} \times 9\frac{1}{2}$ inches. Scales, horizontal, 600 feet to an inch; vertical, 20 feet to an inch.

Sub-map to the above. Mounted on the same sheet is: Profile along the channel of Stony brook from Hyde Park to Charles river, June, 1886. Heliotype Printing Co., Boston. Size, $7\frac{1}{2} \times 23\frac{1}{2}$ inches. Scales (computed), horizontal, 1,600 to an inch; vertical, 8 feet to an inch. Plate II.

Engineering Department (Surveying Division).

1886.—*Continued.*

HARBOR AND LAND COMMISSIONERS.

Plan of a portion of South Boston flats, B. Meisel, lith. Size, $22\frac{1}{2} \times 39\frac{1}{2}$ inches. Scale, 200 feet to an inch.

In Public Doc. No. 11, 1886. Annual report of the Harbor and Land Commissioners.
Massachusetts State Library.

1887

SAMPSON, MURDOCK & COMPANY, PUBLISHERS.

Map of Boston for 1887. Published expressly for the Boston directory. Boston, 1887. Forbes Co., lith. Size, $26\frac{1}{2} \times 32\frac{1}{2}$ inches. Scale, 100 rods to an inch.

In folder.

Massachusetts Historical Society.

BOSTON PARK DEPARTMENT.

Proposed park system from the Common to Franklin Park, including the Back Bay and Muddy river improvements, Jamaica pond, and the Arnold Arboretum. Heliotype Printing Co., Boston. Size, 19×38 inches. Scale (computed), 600 feet to an inch.

Park Commissioners, Boston.

Map of the Back Bay Fens, showing the public ways bordering and crossing them, and the neighboring newly laid out parts of Commonwealth avenue, Beacon street, and Audubon road, by which will be made available a circuit drive of the district, tree lined throughout and passing above railroads. Frederick Law Olmstead, landscape architect advisory, Dec. 30, 1887. Heliotype Printing Co., Boston. Size, $27\frac{1}{2} \times 40\frac{1}{2}$ inches. Scale (computed), 222 feet to an inch.

Park Commissioners, Boston.

RAILROAD COMMISSIONERS.

Map of the railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1887. J. H. Bufford's Sons, Lith. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1887. Nineteenth annual report of the Railroad Commissioners.

Massachusetts State Library.

METROPOLITAN PARK COMMISSIONERS.

Boston bay and harbor. Size, $6\frac{1}{16} \times 6\frac{1}{8}$ inches. Scale (computed), 14,080 feet to an inch.

Gives acreage, ownership and jurisdiction of islands and a description of the headlands, the restoration of tree growing on the islands and shores of Boston harbor.

In House Doc. No. 150, 1893. A reprint of Olmstead's report, Dec. 30, 1887, in 13th report of Boston Park Commissioners. In Metropolitan Park Commissioners' annual report.

Massachusetts State Library.

1888

ELLIS, GEORGE E.

Map of Boston proper. Size, $3\frac{1}{2} \times 6\frac{1}{2}$ inches. Scale, 2,000 feet to an inch.

In Ellis (George E.) Puritan age in Massachusetts, 1888.

Essex Institute, Salem.

STATE BOARD OF HEALTH.

Plan of the North Metropolitan sewerage district. Size, $18\frac{1}{2} \times 31\frac{1}{2}$ inches. Scale (computed), 3,128 feet to an inch.

In Senate Doc. No. 2, 1889. Report of the State Board of Health on sewerage of Mystic and Charles river valleys.

Massachusetts State Library.

1888. — *Continued.*

STATE BOARD OF HEALTH.

Proposed sewer in Charles River Valley. Size, $7\frac{1}{2} \times 16\frac{1}{2}$ inches. Scale (computed), 3,080 feet to an inch. Heliotype.

In Senate Doc. No. 2, 1889.

Massachusetts State Library.

HARBOR AND LAND COMMISSIONERS.

Plan of a reserved channel in the Commonwealth flats, at South Boston, adopted by the Board of Harbor and Land Commissioners, and approved by the Governor and Council, June 13, 1888. Size, $18 \times 35\frac{1}{2}$ inches. Scale, 400 feet to an inch.

In Public Doc. No. 11, 1889. Annual report of the Board of Harbor and Land Commissioners.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

Map of the railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1888. J. H. Bufford's Sons, Lith. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1888. Twentieth annual report of the Railroad Commissioners.

Massachusetts State Library.

UNITED STATES HARBOR LINE BOARD.

Boston inner harbor, Massachusetts, from bridges to upper middle channel. Surveyed under the direction of the United States Harbor Line Board of 1888, by Sophus Håågensen, October and November. Boston, United States engineers' office, 1888. Size, $30 \times 49\frac{1}{2}$ inches. Scale, $\frac{1}{30000}$. Boston Harbor Line Board, Sheet A.

In Public Doc. No. 11, 1889. Annual report of Harbor and Land Commissioners.

Massachusetts State Library.

1889

WALKER, GEORGE H., & CO., PUBLISHERS.

Railroad, county, town and post-office map of Massachusetts. [Col.] Size, $15\frac{1}{2} \times 27$ inches. Scale (computed), 6— miles to an inch.

In Atlas of Middlesex County. Boston, Geo. H. Walker & Co., 1889, p. 376.

North Middlesex Registry, Lowell.

UNITED STATES POST-OFFICE DEPARTMENT.

Vicinity of Boston, showing carrier stations of the Boston post-office. Size, $5\frac{1}{2} \times 6\frac{1}{2}$ inches. Scale (computed), $2\frac{1}{2}$ miles to an inch.

Bounds Lynn on the northeast, Woburn on the northwest, Dedham on the southwest, Quincy on the southeast.

A sub-map to "post route map of the States of New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut and Maine, showing post-offices with the intermediate distances and mail routes in operation on the 1st of June, 1889." Published by order of Postmaster-General John Wanamaker, under the direction of C. Rooser, Jr., topographer for Post-Office Department. First edition issued 1886.

Essex Institute, Salem.

WOOD, HENRY W.

Plan of Brighton, made by city of Boston Street Department, Sewer Division, showing latitude and longitude every 30", contours every 10 feet, ponds, streams, and the projections of some lines of sewers. Size, $40\frac{3}{4} \times 65$ inches. Scale, 300 feet to an inch.

Street Department (Sewer Division), Boston.

Same (blue print)

Street Department (Sewer Division), Boston.

1889. — Continued.

Same. Plan of Roxbury.

Street Department (Sewer Division), Boston.

Same (blue print)

Street Department (Sewer Division), Boston.

RAILROAD COMMISSIONERS.

Map of the railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1889. J. H. Bufford's Sons, Lith. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1889. Twenty-first annual report of the Railroad Commissioners.

Massachusetts State Library.

UNITED STATES HARBOR LINE BOARD.

Map of Charles river from Brookline street bridge to Charles river bridge. Made . . . by Sophus Håågensen, April, 1889. Size, $24\frac{1}{2} \times 40\frac{1}{2}$ inches. Scale, $\frac{1}{3000}$. Boston Harbor Line Board, Sheet B.

Maps and plans, Vol. 69, p. 3.
Massachusetts State Archives.

Same
In Public Doc. No. 11, 1889. Annual report of the Harbor and Land Commissioners.

Massachusetts State Library.

1890**BROMLEY, GEORGE WASHINGTON, & COMPANY.**

Map of the city of Boston and vicinity. Drawn by G. W. and W. S. Bromley, Philadelphia. Corrected and printed by the city of Boston, 1890. Heliotype Printing Co. [Col.] Size, $55\frac{1}{2} \times 64\frac{1}{2}$ inches. Scale, 800 feet to an inch.

Original shore line in Boston proper has been added; also the water sheds in Roxbury, West Roxbury and Dorchester.

Street Department (Sewer Division), Boston.

STATE BOARD OF HEALTH.

Plans showing the comparative mortality from measles, scarlet fever, diphtheria and cramps, small-pox, typhoid fever, cholera infantum, consumption and pneumonia in Massachusetts. A. H. Houghton, del. Heliotype Printing Co. Size, 11×14 inches. Scale, 15 miles to an inch.

In Public Doc. No. 34, 1891. Twenty-third annual report of the State Board of Health.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

Map of the railroads of the State of Massachusetts, accompanying the report of the Railroad Commissioners, 1890. Size, $24 \times 32\frac{1}{2}$ inches. Scale, 6 miles to an inch.

In Public Doc. No. 14, 1890. Twenty-second annual report of the Railroad Commissioners.

Massachusetts State Library.

GARBETT, WILLIAM A., & CHARLES HENRY WILKES WOOD.

[Kearsarge avenue cemetery]. Boston, July 14, 1890. Garbett & Wood, surveyors. [MS.] Size, 23×38 inches. Scale, 16 feet to an inch.

Cemetery Department, Boston.

1890. — *Continued.*

UNITED STATES HARBOR LINE BOARD.

Map of Mystic river and Chelsea creek. Made under the direction of the U. S. Harbor Line Board of 1888 by T. T. Hunter Harwood, May, 1890. Boston, U. S. Engineer's office, 1890. Scale, $\frac{1}{5000}$. Boston Harbor Line Board. Sheet J.

In Public Doc., No. 11, 1890. Annual report of Harbor and Land Commissioners.
Massachusetts State Library.

1891

RAILROAD COMMISSIONERS.

[Map of Boston.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map on map showing the railroads of the State of Massachusetts. In Public Doc. No. 14, 1891. Twenty-third annual report of the Railroad Commissioners.

Massachusetts State Library.

STATE BOARD OF AGRICULTURE.

[Map of the region infested by the gypsey moth in 1891]. Size, $4\frac{1}{2} \times 7$ inches.

Shows an area of about 200 square miles. In Senate Doc. No. 6 and House Doc. No. 25, 1892. Report of the State Board of Agriculture.

Massachusetts State Library.

STATE BOARD OF HEALTH.

Map of the Neponset river basin. Heliotype. Size, $8\frac{1}{2} \times 12$ inches. Scale, $1\frac{1}{2}$ miles to an inch.

In Public Doc. No. 34, 1892. Twenty-third annual report of the State Board of Health.

Massachusetts State Library.

1892

METROPOLITAN SEWERAGE COMMISSIONERS.

Plan showing the progress of the Metropolitan sewerage system to September 30, 1892. Size, $18\frac{1}{2} \times 29$ inches. Scale (computed), 3,200 feet to an inch.

In Public Doc. No. 45, 1892. Fourth annual report of the Metropolitan Sewerage Commissioners.

Massachusetts State Library.

MILES, FRANK C.

Gentlemen's driving map showing the park system of Boston. A. H. Houghton, del. Copyrighted by Frank C. Miles, 1892. Heliotype Printing Co. Compliments of Boston Safe and Deposit Co. Size, 22×30 inches. Scale (computed), 1,624 feet to an inch.

In folder.

Massachusetts Historical Society.

RAILROAD COMMISSIONERS.

Plan and profiles showing a method of rearranging and elevating the tracks of the Boston & Maine and Fitchburg railroad systems, so as to enter a union station in Boston, avoiding crossings at grade of railroads and streets by passenger trains. January, 1892. Thomas Doane. Size, $15\frac{1}{2} \times 17\frac{1}{2}$ inches.

In Public Doc. No. 14, 1891. Twenty-third annual report of the Railroad Commissioners.

Massachusetts State Library.

[Map of Boston.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map on map showing the railroads of the State of Massachusetts.

In Public Doc. No. 14, 1892. Twenty-fourth annual report of the Railroad Commissioners.

Massachusetts State Library.

1893

RAND & McNALLY.

Map of Boston. Size, $18\frac{1}{2} \times 25\frac{3}{8}$ inches. Scale (computed), 1,320 feet to an inch.

Includes Boston proper with portions of Roxbury, Cambridge, and Somerville. Contains two sub-maps: (1) Business portion of Boston. Size, $7 \times 7\frac{1}{2}$ inches. Scale (computed), 457 feet to an inch. (2) Environs of Boston (col.). Size, $8\frac{3}{8} \times 11$ inches. In Rand & McNally's Indexed Atlas of the World.

Engineering Department.

BOSTON STREET COMMISSIONERS.

Plan showing proposed street widenings and new streets. Boston Mass., February, 1893. Heliotype Printing Co., Boston. Size, $11\frac{1}{2} \times 15$ inches. Scale (computed), 500 feet to an inch.

Includes territory south to Atlantic avenue, west to Castle street, north to Charles street, and east to Cross and Beverly streets. In Street Commissioners' report for the year 1892. City Doc. No. 36, 1893.

City Clerk's Office, Boston.

ELIOT, CHARLES.

The open spaces of Boston. Size, $3\frac{3}{16} \times 5\frac{1}{2}$ inches.

On same sheet are maps showing open spaces of London and Paris. In Public Doc. No. 48. Report of the Board of Metropolitan Park Commissioners, Jan., 1898. Report of Charles Eliot to M. P. Com. Reprinted without illustration from report of 1893.

Massachusetts State Library.

WALKER, GEORGE H., & COMPANY.

Boston and vicinity. Boston, 1893 [col.]. Size, 49×58 inches. Scale, 1,200 feet to an inch.

Includes territory between Revere on the northeast, Medford on the northwest, West Roxbury on the southwest, and Quincy on the southeast.

Massachusetts Historical Society.

ELIOT, CHARLES.

Map of the Metropolitan district of Boston, Mass., showing the existing public reservations and such new open spaces as are proposed by Charles Eliot in his report to the Metropolitan Park Commission, January, 1893. [Boston, 1893.] Size, $22\frac{3}{8} \times 24\frac{1}{2}$ inches. Scale, $\frac{1}{822500}$.

In Eliot (Charles) "Report upon the opportunities for open public spaces." In House Doc. No. 150, 1893, and Leg. Doc. 1893. Metropolitan Park Commissioners' Report.

Massachusetts State Library.

METROPOLITAN PARK COMMISSIONERS.

Diagram of the parks and parkways of the Boston Metropolitan district in 1893. J. B. Herbert, del. Photo-lith. and printed by Forbes & Co., Boston. Size, $8\frac{1}{16} \times 8\frac{1}{16}$ inches. Scale (computed), 3 miles to an inch.

In Public Doc., No. 48, 1897. Vol. 12, Misc. Report of the Metropolitan Park Commissioners.

Massachusetts State Library.

METROPOLITAN SEWERAGE COMMISSIONERS.

Plan showing the progress of the Metropolitan sewerage system to September 30, 1893. Geo. H. Walker & Co., lith. Size, $18\frac{1}{2} \times 29$ inches. Scale (computed), 3,200 feet to an inch.

In Public Doc., No. 45, 1893. Fifth annual report of the Metropolitan Sewerage Commissioners.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

[Map of Boston.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map on map showing the railroads of the state of Massachusetts. In Public Doc., No. 14, 1893. Twenty-fifth annual report of the Railroad Commissioners.

Massachusetts State Library.

1894

STATE BOARD OF HEALTH.

[Map of Boston and vicinity.] Plan No. 14. From a plan copyright, 1894, by Geo. H. Walker & Co., Boston. Size, $7\frac{1}{16} \times 7\frac{5}{8}$ inches. Scale (computed), 1 mile to an inch.

Five circles drawn from the State House, includes greater portion of Malden on the north, Brighton on the west, Roxbury on the south, East Boston on the east. In House Doc. 500, 1895. Report of the Massachusetts State Board of Health, Appendix.

Massachusetts State Library.

South Boston and immediate vicinity. Size, $5 \times 7\frac{5}{8}$ inches. Scale (computed), 2,000 feet to an inch.

In Toomey (John J.) (Edward P. B.) Rankin, History of South Boston, 1901, p. 198, 4452.155

Boston Public Library.

STATE BOARD OF HEALTH.

Map showing present and proposed works for supplying water from the Nashua, Sudbury and Cochituate water sheds to the Metropolitan district, Dec., 1894. Heliotype Printing Co., Boston. Plan No. 2. Size, $14\frac{1}{2} \times 28\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.

Includes territory, except islands in the harbor, within a ten-mile circle, drawn from the State House, and west of this circle the Nashua, Sudbury and Cochituate water sheds. Shows profile of proposed aqueduct. In House Doc. No. 17, 1895. Report of Massachusetts State Board of Health upon a metropolitan water supply.

Massachusetts State Library.

WALKER, GEORGE H., & CO.

Atlas of Massachusetts. Illustrated edition. Compiled under the direction of O. W. Walker, C. E. Boston, Geo. H. Walker & Co., 1894.

Two hundred and thirty-one pages, 27 plates and index. Size of sheets, $17\frac{1}{2} \times 26\frac{1}{2}$ inches. Scale of portion comprising the metropolitan district, 1,200 feet to an inch. Scales of the other sheets vary.

Geo. H. Walker & Co., Boston.

STATE BOARD OF HEALTH.

Map showing proposed works for distributing water in the Metropolitan district, Dec., 1894. From map of Boston and vicinity, copyright 1894, by Geo. H. Walker & Co., Boston. Wright & Potter Printing Co., Boston. Geo. H. Walker & Co., lith., Boston. Size, $23\frac{1}{2} \times 24\frac{1}{2}$ inches. Scale (computed), 1 mile to an inch.

Includes portion of Reading on the north, Braintree on the south, Marblehead on the east. In House Doc. No. 17, 1895. Report of Massachusetts State Board of Health.

Massachusetts State Library.

METROPOLITAN PARK COMMISSIONERS.

Diagram showing relation of proposed Blue Hills and Fells parkways to the Metropolitan district of Boston. Heliotype Printing Co. Size, $7\frac{1}{2} \times 13\frac{1}{2}$ inches. Scale, $1\frac{1}{2}$ miles to an inch.

In Public Doc. No. 48, 1894. Annual report of the Metropolitan Park Commissioners.

Massachusetts State Library.

METROPOLITAN SEWERAGE COMMISSIONERS.

Plan showing progress of work to September 30, 1894.

For description see edition of 1893. In Public Doc. No. 45, 1894. Annual report of Metropolitan Sewerage Commissioners.

Massachusetts State Library.

BOSTON PARK COMMISSIONERS.

Maps showing parks and parkways from the Common to Stony Brook Reservation. Olmstead, Olmstead & Eliot, 1894. Heliotype Printing Co. Size, $11\frac{1}{2} \times 31\frac{1}{2}$ inches. Scale, 1,600 feet to an inch.

In Park Commissioners' report for year ending Jan. 31, 1895.

Park Commissioners, Boston.

1894.— *Continued.*

Plan of a portion of the Park system from the Common to Franklin park, including Charles river basin, Commonwealth avenue, Back Bay Fens, Muddy river improvement, Leverett park, Jamaica park, Arborway, and Arnold Arboretum. William Jackson, city engineer. Olmstead, Olmstead & Eliot. January, 1894. Heliotype. Size, $17\frac{5}{8} \times 40\frac{1}{2}$ inches. Scale, 800 feet to an inch.

In Park Commissioners report for the year ending Jan. 31, 1894.

Park Commissioners, Boston.

METROPOLITAN PARK COMMISSIONERS AND STATE BOARD OF HEALTH.

Plan showing height of ground water in Back Bay district, Boston.

Plan No. 2. Heliotype Printing Co., Boston. Size, $4\frac{3}{8} \times 6\frac{3}{8}$ inches.

Scale (computed), 1,200 feet to an inch.

In House Doc. No. 775. Report of the joint board consisting of the Metropolitan Park Commissioners and the State Board of Health upon the improvement of Charles river.

Massachusetts State Library.

Plan of Charles river, from the Waltham line to Boston harbor.

Prepared under the direction of a joint board consisting of the Metropolitan Park Commissioners and the State Board of Health.

Plan No. 1. Heliotype Printing Co. Size, $12\frac{3}{4} \times 44\frac{1}{2}$ inches. Scale (computed), 1,000 feet to an inch.

Shows public or quasi-public ownership, marshes overflowed by spring tides, contours of river bottom below mean low water.

In House Doc. No. 775, 1894. Report of the joint boards upon the improvement of Charles river.

Massachusetts State Library.

Sketch plan showing the existing and proposed public reservations upon the banks of the Charles river, between Waltham line and Craighies bridge. Olmstead, Olmstead & Eliot, landscape architects, Brookline, Mass. March, 1894. H. J. Kellaway. Heliotype Printing Co., Boston. Size, $13 \times 44\frac{1}{2}$ inches. Scale (computed), 1,000 feet to an inch.

Contains sub-map, "Key Map." Size, $4\frac{1}{2} \times 9\frac{3}{4}$ inches. Scale (computed), 6,034 feet to an inch.

In House Doc. No. 775, 1894. Report of the joint boards, Metropolitan Park Commissioners and State Board of Health.

Massachusetts State Library.

HARBOR AND LAND COMMISSIONERS.

Plan of South Boston flats, showing present conditions and sketch of proposed docks, to accompany annual report of the Harbor and Land Commissioners, December, 1894. Size, 17×33 inches. Scale, 400 feet to an inch.

In Public Doc. No. 11, 1894. Annual report of the Harbor and Land Commissioners.

Massachusetts State Library.

METROPOLITAN PARK COMMISSIONERS.

Stony brook reservation and vicinity. Prepared under the direction of Olmstead, Olmstead & Eliot, landscape architects, 1894. Gordon H. Taylor, topographer. Wm. H. Munroe, draughtsman. Size, $11\frac{1}{2} \times 8\frac{5}{8}$ inches. Scale (computed), 4,695 feet to an inch.

In Public Doc. No. 48, 1894. Annual report of Metropolitan Park Commissioners.

Massachusetts State Library.

STATE BOARD OF HEALTH.

General map showing water sheds of lakes and rivers investigated as possible sources of water supply for the Metropolitan district, Dec., 1894. Plan No. 1. Size, $19\frac{3}{4} \times 20\frac{3}{8}$ inches. Scale (computed), 10 miles to an inch.

Territory includes whole of Massachusetts, portions of Maine, New Hampshire and Vermont. In House Doc. No. 17. Report of Massachusetts State Board of Health, Feb., 1895.

Massachusetts State Library.

1894. — *Continued.*

RAILROAD COMMISSIONERS.

[Map of Boston.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.Sub-map on map showing the railroads of the State of Massachusetts.
In Public Doc. No. 14, 1894. Annual report of the Railroad Commissioners.*Massachusetts State Library.*

1895

KING, MOSES, PUBLISHER.

Boston and surroundings. Size, $3\frac{1}{2} \times 5$ inches. Scale, 4 miles to an inch.

In King (Moses) How to see Boston. Boston, 1895. Published for Macullar, Parker & Co., as a Knights Templar souvenir. Also contains business portion — Boston proper, Back Bay district, City Hall and Post-office district, Faneuil Hall and Stock Exchange district, retail district, wholesale district, South End and Park system.

American Antiquarian Society.

BOSTON ENGINEERING DEPARTMENT.

Map showing polarity of hydrants, March 1, 1895. Plate II. Stone and Webster. Size, $7\frac{7}{8} \times 11$ inches. Scale (computed), 2,400 feet to an inch.

Shows west to Hemenway street, south to Ruggles and Swett streets; includes South Boston. *6356.1.1895

In City Engineer's annual report, 1894. City Document, 1895, No. 10, opp. p. 63.

Boston Public Library.

METROPOLITAN SEWERAGE COMMISSIONERS.

Plan showing progress of work to September 30, 1895.

For description, see edition of 1893. In Public Doc. No. 45, 1895. Report of Metropolitan Sewerage Commissioners.

*Massachusetts State Library.*Plans showing proposed route of the Neponset valley intercepting sewer, September, 1895. Hozea Kingman, Tilley Haynes. Albert F. Noyes, commissioners. Size, $25\frac{1}{4} \times 28\frac{3}{8}$ inches. Scale (computed), 1,189 feet to an inch.

Contains profiles of the proposed route.

In Public Doc. No. 45, 1895. Report of Metropolitan Sewerage Commissioners.

Massachusetts State Library.

METROPOLITAN PARK COMMISSIONERS.

Stony brook reservation and vicinity.

See edition of 1894 for description.

In Public Doc. No. 48, 1895. Annual report of Metropolitan Park Commissioners.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

[Map of Boston.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map on map showing the railroads of the State of Massachusetts.

In Public Doc. No. 14, 1895. Annual report of the Railroad Commissioners.

Massachusetts State Library.

BOARD OF HARBOR AND LAND COMMISSIONERS.

Map of Boston Harbor to accompany the annual report

December, 1895. Size, $32\frac{3}{4} \times 42\frac{3}{4}$ inches. Scale (computed), 1,488 feet to an inch.

In the annual report of Board of Harbor and Land Commissioners for year 1895, Boston, 1896.

*Massachusetts State Library.*Plan showing changes in the bed of Boston harbor, from a comparison of the surveys of 1861 and 1892. Made under the direction of the Harbor and Land Commissioners, April, 1895. Size, $17\frac{1}{2} \times 25\frac{3}{8}$ inches. Scale, $\frac{1}{50000}$.

Shows from Chelsea bridge to Castle Island.

In same report as above.

Massachusetts State Library.

1896

METROPOLITAN PARK COMMISSIONERS.

Diagram of the parks and parkways of the Boston Metropolitan district, to accompany report of Olmstead, Olmstead & Eliot, dated Dec. 1, 1896. Size, $8\frac{1}{2} \times 8\frac{1}{2}$ inches. Scale (computed), 3 miles to an inch.

In Public Doc. No. 48, 1896, Vol. 12, Misc. Report of the Metropolitan Park Commissioners.

Massachusetts State Library.

METROPOLITAN SEWERAGE COMMISSIONERS.

Map of Metropolitan sewerage district, showing progress to Sept. 30, 1896.

For description, see edition of 1873. In Public Doc. No. 45, 1896, Vol. 12, Misc. Annual report of Metropolitan Sewerage Commissioners.

Massachusetts State Library.

METROPOLITAN WATER BOARD.

Map showing Metropolitan water district, Nashua, Sudbury and Cochituate water sheds, and locations of reservoirs, aqueducts and pipe lines, Jan. 1, 1896. Size, $14\frac{1}{2} \times 28\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.

Includes territory within a ten-mile circle drawn from the State House. In Public Doc. No. 57, 1896. Second annual report of Metropolitan Water Board.

Massachusetts State Library.

Map of Metropolitan water district, showing progress of works for distributing water, Dec. 1, 1896. Plan No. 5. From plan, copyright, 1894-9, by Geo. H. Walker & Co., Boston. Geo. H. Walker & Co., lith., Boston. Size, $23\frac{1}{2} \times 25$ inches. Scale (computed), 1 mile to an inch.

Bounds Peabody on the northeast, Bedford on the northwest, Needham on the southwest, Hingham on the southeast.

In Public Doc. No. 57, 1896. Second annual report of the Metropolitan Water Board.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

[Map of Boston and vicinity.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map to map of the railroads of Massachusetts. Wright & Potter Printing Company. Geo. H. Walker & Co., lith. Size, $22\frac{3}{4} \times 33\frac{1}{2}$ inches. Scale (computed), 7 miles to an inch.

In Public Doc. No. 14, 1896. Annual report of Railroad Commissioners.

Massachusetts State Library.

BARTHOLOMEW, J. G.

Boston and vicinity. Size, $3\frac{1}{2} \times 3\frac{3}{4}$ inches.

In Bartholomew (J. G.) Handy Reference Atlas of the World. Plate 56a. London, John Walker & Co., 1896.

Massachusetts State Board of Health.

METROPOLITAN PARK COMMISSIONERS.

Map of the country about Boston. Prepared for the Metropolitan Park Commission, under the direction of Olmstead, Olmstead & Eliot, by Geo. W. Stadly & Co. Published with permission of Metropolitan Park Commission by Appalachian mountain club. Heliotype. Size, $22 \times 30\frac{1}{2}$ inches. Scale, 1 mile to an inch.

In Public Doc. No. 48, 1896. Annual report of Metropolitan Park Commissioners.

Massachusetts State Library.

WALKER, GEORGE H., & Co.

Boston and surroundings. Boston, 1896. Size, $27\frac{3}{4} \times 40\frac{1}{2}$ inches. Scale (computed), 1,800 feet to an inch.

Includes territory to Revere on the northeast, Winchester on the northwest, Dedham on the southwest, Quincy on the southeast. Pocket map, folded. Reissued, 1903.

Geo. H. Walker & Co., Boston.

1896. — *Continued.***HARBOR AND LAND COMMISSIONERS.**

Plan of South Boston flats, showing present condition and sketch of proposed docks and streets. To accompany annual report of Harbor and Land Commissioners, Dec. 1896. Geo. H. Walker & Co., lith., Boston. Size, $16\frac{2}{3} \times 35$ inches. Scale (computed), 400 feet to an inch.

In Public Doc. No. 11, 1896.

Massachusetts State Library.

1897

WALKER, GEORGE H., & Co.

Map of Boston and vicinity, 1897. Boston, Geo. H. Walker & Co., 1897. Size, $77\frac{1}{2} \times 78$ inches. Scale (computed), 1,200 feet to an inch.

Bounds Saugus on the northeast, Stoneham on the northwest, Dedham on the southwest, Hingham on the southeast.

George H. Walker & Co., Boston.

WALKER, GEORGE H., & Co.

Map of the City of Boston and vicinity. Boston, George H. Walker & Co., 1897. Size, $56\frac{1}{2} \times 64\frac{5}{8}$ inches. Scale, 800 feet to an inch.

A Bromley map corrected and photo-lithographed; printed in four parts

Street Department (Sewer Division), Boston.

STATE BOARD OF HEALTH.

Map of Boston and vicinity, 1897. Showing cases of cerebro spinal meningitis. Heliotype Printing Co. Size, $10\frac{3}{4} \times 14\frac{3}{8}$ inches. Scale (computed), 4,800 feet to an inch.

In special report of the State Board of Health.

State Board of Health.

METROPOLITAN PARK COMMISSIONERS.

Sketch plan of public reservations upon the banks of the Charles river, between Watertown and Craigie's bridge. F. L. & J. C. Olmstead, landscape architects, Brookline, Mass., 1897. Photo-lith. and printed by Forbes Company, Boston. Size, $12 \times 35\frac{5}{8}$ inches. Scale (computed), 1,000 feet to an inch.

In Public Doc. No. 48, 1897. Report of the Metropolitan Park Commissioners.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

Map of Boston and vicinity. Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map to map of the railroads of Massachusetts. Wright & Potter Printing Company, Boston. Geo. H. Walker & Co., Boston. Size, $22\frac{3}{4} \times 33\frac{1}{2}$ inches. Scale (computed), 7 miles to an inch.

In Public Doc. No. 14, 1897. Annual report of the Railroad Commissioners.

Massachusetts State Library.

1898

WALKER, GEORGE H., & Co.

Map of Boston and vicinity, showing tracks operated by the Boston Elevated Railway Company (surface lines), Oct. 1, 1898. Geo. H. Walker & Co., lith., Boston. Size, $27\frac{1}{2} \times 43\frac{1}{2}$ inches. Scale, 2,400 feet to an inch.

Corrected by hand, February, 1900, Jan. 14, 1902, Dec. 10, 1903. Bounds Saugus on the northeast, Winchester on the northwest, portion of West Roxbury cut out by index, portion of Quincy cut out by title, Winthrop and Spectacle island on east.

Engineering Department.

WALKER, GEORGE H., & Co.

Map of Boston and vicinity. Boston, 1898. Size, $51 \times 75\frac{1}{2}$ inches. Scale (computed), 1,200 feet to an inch.

Street Department (Sewer Division), Boston.

1898. — *Continued.*

WALKER, GEORGE H., & CO.

New historical map of Metropolitan Boston. Boston, 1898. Size, 54×70 inches. Scale, 1,760 feet to an inch.

The principal estates through the country are shown. Bounds Marblehead on the northeast, Billerica on the northwest, Dover on the southwest, Braintree on the southeast.

George H. Walker & Co., Boston.

BROMLEY, GEORGE WASHINGTON, & WALTER SCOTT.

Map of the City of Boston and vicinity. Drawn by Geo. W. & W. S. Bromley, Philadelphia. Corrected and printed by the City of Boston, 1898. Heliotype Printing Co., Boston. Size, 56×63 $\frac{3}{8}$ inches. Scale, 800 feet to an inch.

Made for the Bath Department, and shows the various bathing places in red color. The parks and playgrounds of the city have been added in color by hand.

Park Commissioners, Boston.

METROPOLITAN PARK COMMISSIONERS.

Map of the Metropolitan district of Boston, showing local public reservations, the holdings of the Metropolitan Park Commissioners, and additions which have been proposed. To accompany report of Olmstead Brothers, landscape architects, December, 1898. Size, 22 $\frac{1}{2}$ ×24 $\frac{3}{8}$ inches. Scale, $\frac{1}{322\frac{1}{2}00}$.

Twenty-foot contours shown. Bounds Wakefield on the north, Newton on the west, Braintree on the south, Marblehead Neck and Hull on the east. In Public Doc. No. 48, 1898. Report of the Metropolitan Park Commissioners.

Massachusetts State Library.

METROPOLITAN SEWERAGE COMMISSIONERS.

Map of the Metropolitan sewerage district, showing progress of work to Sept. 30, 1898.

For description, see edition of 1893. In Public Docs., 1898. Vol. 12, Misc.

Massachusetts State Library.

METROPOLITAN WATER COMMISSIONERS.

Map of the Metropolitan water district, Jan. 1, 1898. Geo. H. Walker & Co., lith., Boston. From map of Boston district, 1897, by Geo. H. Walker & Co. Size, 23 $\frac{1}{2}$ ×24 $\frac{3}{8}$ inches. Scale (computed), 1 mile to an inch.

The district is included within a 10-mile circle; the map includes Lynnfield on the north, Weston on the west, Braintree on the south, Marblehead and Hull on the east.

In Public Doc. No. 57, 1897. Third annual report of Metropolitan Water Board.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

[Map of Boston and vicinity.] Size, 7 $\frac{1}{2}$ ×8 $\frac{1}{2}$ inches.

Sub-map to map of the railroads of the State of Massachusetts, 1898. Wright & Potter Printing Co. Geo. H. Walker & Co., lith., Boston. Size, 22 $\frac{1}{2}$ ×33 $\frac{1}{8}$ inches. Scale (computed), 7 miles to an inch.

In Public Doc. No. 14, 1898. Thirtieth annual report of the Railroad Commissioners.

Massachusetts State Library.

WALKER, GEORGE H., & CO.

Map of Boston and vicinity. Boston, 1898. Size, 51×75 $\frac{1}{4}$ inches. Scale (computed), 1,200 feet to an inch.

Bounds Sangus on the northeast, Stoneham on the northwest, Dedham on the southwest, Quincy on the southeast. The playgrounds added in red by hand.

Park Commissioners, Boston.

1899

WALKER, GEORGE H., & Co.

[Boston and vicinity.] Size, $16\frac{1}{2} \times 20\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.Sub-map to railroad map of the New England states, showing state, county, and town boundaries, post offices, railroad stations, etc. Boston, Geo. H. Walker & Co., 1899. Size, $52\frac{1}{2} \times 67$ inches. Scale (computed), $7\frac{2}{5}$ miles to an inch.*Geo. H. Walker & Co., Boston.*

Same (reduced)

Size of sub-map, $10 \times 8\frac{1}{4}$ inches. Scale (computed), $3\frac{3}{8}$ miles to an inch. Size of map, $27\frac{1}{2} \times 40\frac{1}{4}$ inches. Scale (computed), 12 miles to an inch.*Geo. H. Walker & Co., Boston.*

Same

To this map have been added in red the various bicycle routes.

Geo. H. Walker & Co., Boston.

METROPOLITAN PARK COMMISSIONERS.

Diagram of the public open spaces of the Boston metropolitan park district in 1899. Size, $12\frac{1}{2} \times 12\frac{3}{4}$ inches. Scale (computed), 2 miles to an inch.

Includes territory within a radius of eleven miles of State House. In Public Docs. No. 48, 1899 and 1901. Report of Metropolitan Park Commissioners.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

[Map of Boston and vicinity.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.Sub-map to map of the railroads of Massachusetts, 1899. Wright & Potter Printing Co. Geo. H. Walker & Co., lith., Boston. Size, $22\frac{3}{4} \times 33\frac{1}{4}$ inches. Scale (computed), 7 miles to an inch. In Public Doc. No. 14, 1899. Thirty-first annual report of the Railroad Commissioners.*Massachusetts State Library.*

METROPOLITAN SEWERAGE COMMISSIONERS.

Map of the Metropolitan sewerage district. Hosea Kingman, Tilly Haynes, George A. Kimball, Metropolitan Sewerage Commissioners. Wm. M. Brown, jr., chief engineer. Boston, Massachusetts. Sept. 30, 1899. Size, $22\frac{1}{2} \times 30$ inches. Scale (computed), 4,363 feet to an inch.

A Geo. H. Walker map, 1897, used as a base. Bounds Wakefield on the north, Waltham on the west, Milton on the south, Swampscott and Hull on the east. In Public Doc. No. 45, 1899. Annual report of Metropolitan Sewerage Commissioners.

Massachusetts State Library.

METROPOLITAN WATER BOARD.

Map showing Metropolitan water district, Nashua, Sudbury and Cochituate water sheds, and locations of reservoirs, aqueducts, and pipe lines, Jan. 1, 1899. Size, $14\frac{1}{2} \times 28\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.

Includes territory within a ten-mile circle drawn from the State House.

In Public Doc. No. 57, 1898. Annual report of the Metropolitan Water Board.

Massachusetts State Library.

1900

RAILROAD COMMISSIONERS.

[Map of Boston and vicinity.] Size, $8\frac{1}{2} \times 7\frac{1}{2}$ inches.Sub-map to map of the railroads of Massachusetts. Wright & Potter Printing Co. Geo. H. Walker & Co. lith., Boston. Size, $22\frac{3}{4} \times 33\frac{1}{4}$ inches. Scale (computed), 7 miles to an inch.

In Public Doc. No. 14, 1900. Annual report of the Railroad Commissioners.

Massachusetts State Library.

1900. — Continued.

WALKER, GEORGE H., & Co.

Atlas of Massachusetts, compiled under the direction of G. H. Walker & Co. Boston, Geo. H. Walker & Co., 1900.

Contains 231 pages, 27 plates and index. Size of plates, $17\frac{1}{2} \times 26\frac{1}{2}$ inches. Scale of portion comprising the Metropolitan district, 1,200 feet to the inch; the scales of the other sheets vary.*George H. Walker & Co., Boston.*

WALKER, GEORGE H., & Co.

[Boston and vicinity.] [Boston, Geo. H. Walker & Co., 1900.] Size, $17\frac{1}{2} \times 26\frac{1}{2}$ inches. Scale (computed), 1 mile to an inch.

Plate 4 of the above named atlas. Bounds Wakefield on the northeast, Roxbury on the northwest, Hopkinton on the southwest, Milton on the southeast. A pocket edition.

George H. Walker & Co., Boston.

WALKER, GEORGE H., & Co.

Part of the Metropolitan district. Size, $17\frac{1}{2} \times 26\frac{1}{2}$ inches. Scale, 1,200 feet to an inch.

Shows heights above city base. A reproduction of plates 70-71 of the above named atlas. A pocket edition.

George H. Walker & Co., Boston.

METROPOLITAN SEWERAGE COMMISSIONERS.

Map of the Metropolitan Sewerage district. James A. Bailey, Jr., Tilly Haynes, George A. Kimball, Commissioners. William M. Brown, Jr., chief engineer, Boston, Massachusetts. September 30, 1900. Size, $22\frac{1}{2} \times 29\frac{1}{2}$ inches. Scale (computed), 4,363 feet to an inch.

A George H. Walker map used as a base. Bounds Wakefield on the north, Waltham on the west, Milton on the south, Swampscott and Hull on the east. In Public Doc. No. 45, 1900. Annual report of Metropolitan Sewerage Commissioners.

Massachusetts State Library.

METROPOLITAN WATER COMMISSIONERS.

Map showing Metropolitan Water district, Nashua, Sudbury and Cochituate water sheds, and locations of reservoirs, aqueducts, and pipe lines, January 1, 1900. Size, $14\frac{1}{2} \times 28\frac{1}{2}$ inches. Scale (computed), 2 miles to an inch.

Includes territory within a ten-mile circle, drawn from the State House. In Public Doc. No. 57, 1900. Annual report of Metropolitan Water Board.

Massachusetts State Library.

WALKER, GEORGE H., & Co.

Extended map of Boston and Metropolitan district. George H. Walker & Company, 1900. Size, $87\frac{5}{8} \times 116\frac{1}{2}$ inches. Scale (computed), 1,400 feet to an inch.

Bounds Swampscott, Lynn, Stoneham, Burlington, Billerica, Bedford, Carlisle, Concord, Sudbury, Framingham, Natick, Dover, Dedham, Quincy, Braintree, Weymouth.

George H. Walker & Co., Boston.

WALKER, GEORGE H., & Co.

[Boston harbor.] Size, $15\frac{1}{2} \times 17\frac{1}{2}$ inches. Scale (computed), 1 mile to an inch.

Reproduction of Plate 6 in Walker's Atlas of Massachusetts. A pocket map, colored.

George H. Walker & Co., Boston.

HARBOR AND LAND COMMISSIONERS.

Plan of Boston upper harbor, from bridges to Lower Middle, showing location of proposed anchorage basin, under chapter 97, resolves of 1900, December, 1900. Frank W. Hodgdon, engineer. Heliotype Printing Company, Boston. Size, $15 \times 24\frac{1}{2}$ inches. Scale (computed), 8,421 feet to an inch.

In Public Doc. No. 11, 1900. Annual report of Harbor and Land Commissioners.

Massachusetts State Library.

1901

UNITED STATES GEOLOGICAL SURVEY.

Boston and vicinity, 1901. Size, $48\frac{1}{2} \times 57\frac{1}{2}$ inches. Scale, $\frac{1}{30000}$.
H. M. Wilson, geographer in charge. A-138

Bounds Marblehead on the northeast, Burlington on northwest, Dedham on the southwest, Cohasset on the southeast.

Engineering Department (Surveying Division).

WALKER, GEORGE H., & CO.

Map of the City of Boston and vicinity. Boston, George H. Walker, & Co., 1901. Size, $27\frac{1}{2} \times 32$ inches. Scale (computed), 1,700 feet to an inch.

Half-mile circles shown in red from the North station; the first four of these are lettered A, B, C, D. Half-mile circles are shown from the South station, in blue. Also tables, giving schedules of cab and hack fares. The map is folded in the centre and glued back to back.

Engineering Department (Surveying Division).

METROPOLITAN PARK COMMISSIONERS.

Map of the Metropolitan district of Boston, showing local public reservations and holdings of the Metropolitan Park Commissioners. Dec. 1, 1901. Heliotype Printing Co., Boston. Size, $22\frac{1}{2} \times 24\frac{1}{2}$ inches. Scale, $\frac{1}{25000}$.

Bounds Wakefield on the north, Newton on the west, Milton on the south, Marblehead and Hull on the east.

In Public Doc. No. 48, 1901. Report of the Metropolitan Park Commissioners.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

[Map of Boston and vicinity.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map to map of the railroads of Massachusetts. Wright & Potter Printing Co. George H. Walker & Co., lith., Boston. Size, $22\frac{1}{2} \times 33\frac{1}{2}$ inches. Scale (computed), 7 miles to an inch.

In Public Doc., Vol. 5, 1901. Thirty-second report of the Railroad Commissioners.

Massachusetts State Library.

Map of the electric railways of the State of Massachusetts. Size, $25\frac{1}{2} \times 38\frac{1}{2}$ inches.

A Geo. H. Walker & Co.'s map used as a base.

In same report as above.

Massachusetts State Library.

South Boston. Size, $4\frac{3}{4} \times 5\frac{1}{2}$ inches. Scale (computed), 2,000 feet to an inch.

In Toomey (John J.) (Edward P. B.) Rankin History of South Boston, 1901, front. 4452.155

Boston Public Library.

1902

WALKER, GEORGE H., & CO.

New map of Boston, giving all points of interest, with every railway and steamboat terminus, prominent hotels, theatres and public buildings. Boston, George H. Walker & Co., 1902. Size, $16\frac{1}{2} \times 18\frac{1}{2}$ inches. Scale (computed), 1,462 feet to an inch.

Copyright 1883 by Tilly Haynes; 1894-97-1902 by George H. Walker & Co.

In Guide to Metropolitan Boston. Boston, George H. Walker & Co., 1902, front.

Engineering Department (Surveying Division).

WALKER, GEORGE H., & CO.

[Plan of Boston proper, including a portion of Roxbury and Charlestown.] [Boston, George H. Walker & Co., 1902.] Size, $3\frac{5}{16} \times 4\frac{7}{16}$ inches. Scale (computed), 3,500 feet to an inch.

Original area and land reclaimed shown. In Guide to Metropolitan Boston.

Engineering Department (Surveying Division).

1902. — *Continued.*

WALKER, GEORGE H., & Co.

New map of Boston, giving all points of interest, with every railway and steamboat terminus, prominent hotels and public buildings, Boston, 1902. Size, $17 \times 18\frac{1}{2}$ inches. Scale, 500 feet to an inch. Shows elevated, subway and surface lines. A pocket map, folded.

George H. Walker & Co., Boston.

WALKER, GEORGE H., & Co.

Central part of Boston. Size, $5\frac{1}{2} \times 7\frac{1}{2}$ inches. Scale, 1,200 feet to an inch.

Sub-map to map of Massachusetts showing county lines, railroads, post offices, county towns, and bicycle routes. Size, $17\frac{3}{8} \times 26\frac{3}{8}$ inches. Scale, 7 miles to an inch. A pocket map, folded.

George H. Walker & Co., Boston.

WALKER, GEORGE H., & Co.

Map showing the terminal facilities of Boston. Boston, 1902. Size, $25 \times 35\frac{3}{8}$ inches. Scale (computed), 1,170 feet to an inch.

A pocket map, folded.

George H. Walker & Co., Boston.

WALKER, GEORGE H., & Co.

Part of Metropolitan district. Size, $9\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale, 2 miles to an inch.

Bounds Swampscott on the northeast, Woburn on the northwest, Needham on the southwest, Quincy on the southeast.

Sub-map to map of Massachusetts. Size, $17\frac{3}{8} \times 26\frac{3}{8}$ inches. Scale, 7 miles to an inch.

Geo. H. Walker & Co., Boston.

WALKER, GEORGE H., & Co.

Road map of the Boston district, showing the Metropolitan park system. Boston, Geo. H. Walker & Co., 1902. [Edition of 1903.] Size, $25\frac{1}{2} \times 34\frac{1}{2}$ inches. Scale, 1 mile to an inch.

Bounds Beverly on the northeast, Westford on the northwest, Holliston on the southwest, Scituate on the southeast.

A pocket map, folded.

Geo. H. Walker & Co., Boston.

WALKER, GEORGE H., & Co.

Map issued with the guide to Metropolitan Boston. Size, $11\frac{3}{8} \times 17\frac{1}{2}$ inches. Scale (computed), 4 miles to an inch.

Bounds Salisbury on the northeast, New Hampshire line on the northwest, Rhode Island line on the southwest, Plymouth on the southeast. Shows steam and electric roads. In Guide to Metropolitan Boston, with maps and illustrations, Boston, 1902.

Geo. H. Walker & Co., Boston.

Same *Engineering Department (Surveying Division).*

METROPOLITAN WATER AND SEWERAGE BOARD.

Map showing Metropolitan sewerage district, January 1, 1902. Size, $22\frac{3}{8} \times 33\frac{1}{2}$ inches. Scale (computed), 4,693 feet to an inch.

A Walker map, 1897, used as a base. Bounds Waketfield on the north, Waltham on the west, Milton on the south, Nahant on the east.

In Public Doc. No. 57, 1902. First annual report of the Metropolitan Water and Sewerage Board.

Massachusetts State Library.

RAILROAD COMMISSIONERS.

[Map of Boston and vicinity]. Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map to map of the railroads of Massachusetts. Wright & Potter Printing Co. Geo. H. Walker & Co., Lith., Boston. Size, $22\frac{1}{2} \times 33\frac{1}{2}$ inches. Scale, 7 miles to an inch.

In Public Docs. 1901, Vol. 5, end. Thirty-third annual report of the Railroad Commissioners.

Massachusetts State Library.

1902. — *Continued.*

Map of the electric railways of the state of Massachusetts, 1901. Corrected to Jan. 1, 1902. Size, $25\frac{1}{2} \times 38\frac{3}{4}$ inches. Scale (computed), $3\frac{1}{10}$ miles to an inch.

In same report as above.

Massachusetts State Library.

WALKER, GEORGE H., & Co.

Map of Massachusetts bay and shore, from Plymouth to Newburyport, edition of 1902. Size, $14\frac{3}{8} \times 35$ inches. Scale (computed), $1\frac{1}{10}$ miles to an inch.

A pocket map, folded.

Geo. H. Walker & Co., Boston.

1903

BOSTON ENGINEERING DEPARTMENT.

Plan of the water-pipe system of a portion of Boston, showing relaying and extensions since 1895. January, 1903. William Jackson, city engineer. Geo. H. Walker & Co., Lith., Boston. Size, 21×40 inches. Scale (computed), 400 feet to an inch.

Shows south to Camden street.

In City Engineer's report for the year 1902, opp. p. 76; also in City Documents.

City Clerk's Office, Boston.

WALKER, GEORGE H., & Co.

Indexed map of Boston, 1903 edition (copyrighted, 1895 and 1903). Size, $19 \times 27\frac{1}{2}$ inches. Scale, 1,200 feet to an inch.

Includes Boston proper and South Boston, greater portion of Dorchester and Roxbury, small portion of East Boston and Charlestown. Map contains a tabulated list of streets, avenues and squares, public buildings, parks and public grounds, cemeteries, wharves and railroad stations. A pocket map, folded.

Geo. H. Walker & Co., Boston.

BOSTON ELEVATED RAILWAY CO.

Central part of Boston Elevated Railway system, showing connections, 1903. Boston Elevated Railway Company: Bureau of surface lines; department of civil engineering; A. L. Plimpton, civil engineer. Copyright, 1903, by Arthur Leslie Plimpton. Geo. H. Walker & Co., Lith., Boston. Size, $28\frac{3}{8} \times 42\frac{1}{2}$ inches. Scale (computed), 1,242 feet to an inch.

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Engineering Department (Surveying Division).

WALKER, GEORGE H., & Co.

Map of Boston proper. Boston, 1903. Geo. H. Walker & Co., engravers. Size, $25\frac{1}{4} \times 26$ inches. Scale, 500 feet to an inch.

Shows subway, surface and elevated lines. The prominent buildings are located and named. Original area is shown. A pocket map, folded.

Geo. H. Walker & Co., Boston.

Plan of city proper and Roxbury. Key plan to drainage areas. Size, $23\frac{1}{4} \times 51\frac{1}{8}$ inches. Scale, 500 feet to an inch.

Street Department (Sewer Division), Boston.

HARBOR AND LAND COMMISSIONERS.

Plan of South Boston flats, showing present condition and sketch of proposed docks and streets. December, 1903. Frank W. Hodgdon, chief engineer. Forbes Lith. Co. Size, $17\frac{1}{2} \times 36$ inches. Scale, 400 feet to an inch.

In Public Doc. No. 11. Annual report of Harbor and Land Commissioners.

Massachusetts State Library.

1903. — *Continued.*

WALKER, GEORGE H., & Co.

. Boston and surroundings. Boston, 1903. Size, $28 \times 40\frac{1}{2}$ inches.
Scale (computed), 1,800 feet to an inch.

Bounds Revere on the northeast, Winchester on the northwest, Dedham on the southwest, Quincy on the southeast.

Geo. H. Walker & Co., Boston.

Map showing Boston territory tributary to south Metropolitan system and Boston main drainage system. Size, $26\frac{1}{2} \times 32\frac{1}{2}$ inches.
Scale, 1,600 feet to an inch. A-138

Cut from report of Superintendent of Streets for 1902.

Engineering Department (Surveying Division).

RAILROAD COMMISSIONERS.

[Map of Boston and vicinity.] Size, $7\frac{1}{2} \times 8\frac{1}{2}$ inches.

Sub-map to map of the railroads of Massachusetts. Corrected to Jan. 1, 1903. Wright & Potter Printing Co. Geo. H. Walker & Co., Lith., Boston. Size, $22\frac{1}{8} \times 33\frac{1}{8}$ inches. Scale (computed), 7 miles to an inch.

In Public Docs., 1902, Vol. 5. Annual report of Railroad Commissioners.

Massachusetts State Library.

Map of the electric railways of the State of Massachusetts, 1902. Corrected to Jan. 1, 1903. Size, $25\frac{1}{2} \times 38\frac{1}{2}$ inches. Scale (computed), $3\frac{8}{10}$ miles to an inch.

A Walker map was used as a base.

In same report as above.

Massachusetts State Library.

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REPORT ENGINEERING DEPARTMENT FOR 1903.

[General Index to Contents Engineering Department Reports, 1867-1892, will be found in Report of February 1, 1892.]

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